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ANNUAL SUMMARY

OF

BIRTHS, DEATHS, AND CAUSES OF DEATH

IN

LONDON,

AND OTHER LARGE CITIES,

1875.

PUBLISHED BY THE AUTHORITY OF THE REGISTRAR GENERAL OF BIRTHS, DEATHS, AND MARRIAGES IN ENGLAND.

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PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY.
FOR HER MAJESTY'S STATIONERY OFFICE.

1876.

LONDON.

AREA.—The Area of London (the registration division so called) is 78,080 acres, or 122 square miles, including 2718 acres of the Thames; this is equal to 31,597 hectares, or 316 square kilometers. The length of the streets and roads is about 1500 miles, and their area nearly 12 square miles. The Area of London being 122 square miles is equal to a square of about 11 miles to the side. The Sewers have a length of about 2000 miles, and are equal to 182 sewers each 11 miles long, and on an average 106 yards apart.

ELEVATION.—The population of London resides at a mean elevation of 39 feet (11·9 metres) above Trinity high-water mark; the elevation varying from 11 feet (3·4 metres) below high-water mark in Plumstead Marshes, to 429 feet (131 metres) above high-water mark in Hampstead.

HOUSES.—At the Census in 1871 there were within this area 417,767 inhabited houses, containing an average of 7·8 persons to a house, exactly corresponding with the proportion in 1861.

ANNUAL RATEABLE VALUE OF PROPERTY (as assessed in 1871) = £19,796,257.

DENSITY (1871).—103 persons to a hectare; 42 persons to an acre; 26,674 to a square mile.

ANNUAL RATE OF INCREASE OF POPULATION PER CENT. . { 1851–61 . . 1·73 / 1861–71 . . 1·50

1875.

POPULATION (Estimated to the middle of the year.)	Males . 1,612,501 / Females . 1,832,659	TOTAL .	3,445,160
BIRTHS	Males . 62,674 / Females . 60,197	TOTAL .	122,871
ANNUAL RATE OF BIRTHS PER 1000 OF THE POPULATION			35·7
DEATHS	Males . 41,917 / Females . 39,596	TOTAL .	81,513
ANNUAL RATE OF MORTALITY PER 1000	Males . 26·0 / Females . 21·6	TOTAL .	23·7
EXCESS OF REGISTERED BIRTHS OVER DEATHS			41,358
ESTIMATED INCREASE OF POPULATION			44,459

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ANNUAL SUMMARY.

LONDON,

AND OTHER LARGE CITIES,

1875.

General Register Office, Somerset House,
11th March 1876.

LONDON is still growing. Its estimated population in the middle of the year was *three millions four hundred and forty-five thousand one hundred and sixty.* The increase over the numbers in the previous year was 44,459. This increase is a balance. There is a continual addition to the population by births, and a continual diminution by deaths; and the registered births (122,871) exceeded the deaths (81,513) by 41,358. Then people flock to London from every county, from every part of the empire; and Londoners by birth flow beyond its limits in great numbers. The extent of this interchange of population is unknown; but the difference in the inflow and outflow probably does not exceed 3101; that being all of the increase of population that remains unaccounted for by the excess of births over deaths.

The births of males exceeded the births of females by 2477; and upon the other hand the deaths of males exceeded the deaths of females by 2321; thus redressing the inequality at birth. It is evident, therefore, that if there is any great inequality in the living population of the two sexes, it is due to the movements of migration. Now the females exceeded the males by 220,158. At the Census of 1871 of the 1,731,109 women and girls, 226,393, or more than one in eight were domestics, for whose services there is a demand greater than the demand not only for men servants, but for men in any other occupation. The milliners, dressmakers, and seamstresses amounted to 102,359; the latter probably being as unhealthy as the servants are healthy.

Density.—The estimated increase of population after the Census of 1871 was 190,900; so the density of population then expressed by 42 persons to an acre has risen to 44 persons to an acre. The increase in the years 1861–71 was chiefly in the outlying Districts of Kensington, Hampstead, Islington, Hackney, Mile End Old Town, Poplar, St. Olave Southwark, Lambeth, Wandsworth, Camberwell, Greenwich, and Lewisham. The population decreased in all the Central districts; in the City of London, Holborn, the Strand, and St. Giles; in Marylebone, Westminster, and St. George Hanover Square; in Shoreditch, St. George-in-the-East, and Whitechapel. The same process, for the same reasons, has gone on since 1871; so the population in the aggregate has increased at a decreasing rate.

It has been shown in the supplement to the 35th Report, that by a general law under the existing sanitary conditions of England, the mortality increases with the density of the population; and in such a way as to make the increased rate of mortality equivalent to nearly the eighth root of the increase of density. Now there were 25 persons to an acre in London in 1841, and 42 persons to an acre in 1871:

the mortality in the years 1840–4 was 24·4, and by the increase of density it should have been 26·0 in 1871 ; but it was on an average 23·5 in the five years, of which 1871 is the middle. So it is a fair inference, that the Health of London instead of getting worse by reason of increased density, has grown better by countervailing sanitary measures.

Water supply.—The water supply of London comes from the Thames, the Lea, and wells chiefly in the chalk round London ; more than half of it from the Thames. It is no longer polluted by the sewage of London itself, formerly so fatal ; but as the towns of the Upper Thames discharge sewage into the river, danger is to be apprehended, unless special precautions are used.

No less than 529,752 metric tons of water were pumped into 518,558 houses and factories daily ; the great stream flowed from all sources, at the rate of 368 metric tons a minute. The quantity to a house is rather less than it was in the previous year. Dr. Frankland's analysis shows that in 100,000 tons of the waters there were 27, or 28 or 29 tons of other matters, and in the Kent water as much as 40 tons ; but the quality of this matter, it is, that is important. Pure water is the most suitable for ablution, washing, cooking, and all domestic purposes ; but for other purposes hard waters answer sufficiently well. There is no proof that small quantities of the saline matters in the Thames and Lea are actively noxious as drinking water ; but it is the organic matters from sewers, especially in the form of ova of worms, cells of typhoid fever, of cholera, small-pox, scarlet fever, and other zymotic diseases, that are to be dreaded. For these zymads the living organism is the only known test. Neither chemistry nor pathology, armed with the most sensitive tests and with the highest powers of the microscope has yet succeeded in distinguishing these bodies from each other, or from ordinary animal excretions. So the right policy for a town is to secure sufficient supplies of water as pure as possible. Dr. Frankland has determined from the quantity of carbon and nitrogen the quantity of organic impurity in the respective waters ; and finds it incomparably the greatest in the Thames waters. The organic elements in the deep well water of the Kent Company being taken as 1, the amount in the New River water partly taken from springs and deep wells, and partly from the River Lee is 2·3, in the East London water it is 3·9 ; in the waters taken from the Thames it is 4·1 in that supplied by the West Middlesex, 4·2 in the Grand Junction water, 4·4 in the water supplied by the Chelsea and Southwark, 4·5 in that supplied by the Lambeth. The storage of the waters in reservoirs for a limited time is shown to be advantageous by the experience of the East London Company ; the evidence of previous sewage contamination being obliterated by retention in the reservoirs for two or three weeks before filtration for delivery. The Kent water if softened would be quite unobjectionable. Of the waters of all the Companies, Dr. Frankland says : " Large quantities " of soap or soda are required to soften these waters before they are used for washing, " but this could be accomplished for a small fraction of the expense by substituting " lime for soap or soda, as practised on similar waters at Aylesbury, Canterbury, " Caterham, and Tring."

The whole of the houses in the poorer districts are not supplied with water ; and the system of constant supply which prevents alike contamination in tanks, or the suction of impurities into empty pipes, is still withheld from London. The loss of life and of property by fire is under these circumstances, as a Committee of the Society of Arts has shown, much greater than it would be, if with the water continually on, hydrants were fixed at suitable intervals in the streets.

With an adequate supply of soft water, baths, and showerbaths, the cleanliness of the mass of the population would be greatly promoted ; and this is much required as through the smoke of the metropolis the standard of cleanliness is low ; the dried perspiration closes the pores of the skin, and hard working men suffer excessively from fatal diseases of the lungs.

Sewerage.—The great system of the sewerage of London is confined to the Inner London. It is now nearly completed.

Sir Joseph Bazalgette states that since April last the works for the western pumping station have been completed, and the entire length of low level sewer, connecting the drainage of the western districts with the pumping station has also been completed, so that the sewage of the western district is now conveyed to the

outlet of Barking Creek. A considerable length of sewer has been executed at Wapping for the purpose of diverting into the low level sewer the sewage of a small area insulated from the main land by the London Docks.

The water companies pump 529,752 metric tons of water into London daily; and according to the returns of the Board Engineers they pump on an average 627,925 tons of *sewage* daily into the Thames at Barking and Crossness. Many small streams run into the sewers, and in time of rainfall the amount pumped is raised considerably; thus in the fourth week of the year the daily sewage pumped was 844,680; in the 45th and 46th weeks it was 858,482 and 897,285 metric tons.* The rainfall in those weeks greatly exceeded the average. In the 13th week no rain fell, and the daily sewage pumped was 502,270 metric tons. Again in two other rainless weeks the daily sewage pumped was 521,810, and 552,693 metric tons. Of the water pumped into London a certain amount necessarily escapes; while the sewage pumped includes some water from previous rainfall, and from springs and streams; but it is worthy of remark that in rainless weeks the amount of water sent in through the arterial pipes of London nearly corresponds in amount with the venous fluid carried away by the sewers.

The Metropolitan Board has done its work as far as the main sewers go. It remains for the District Boards to do theirs. It is well known that many of their sewers are radically defective in level and in construction. The communications with the houses and the water-closets are also in many instances faulty, where the landlords or the tenants neglect their duty. Much responsibility rests on the Health Officers and the Inspectors of Nuisances, who cannot too frequently bring under the notice of the authorities—as some of them do—the defects that deprive the Metropolis of the full fruits of the most stupendous hydraulic works ever created in any country.

Rates levied.—The rates levied in the Metropolis for 1875 are not yet published. But the Statistical Department of the Board of Trade has kindly supplied a return of the rates for the year 1874 of great interest. It shows that the rates levied for education by the Metropolitan School Board were 105,951*l.*; by the Metropolitan Board of Works 345,817*l.*; by the Local District Boards 1,338,525*l.*; by the Vestries for the relief of the poor 1,613,201*l.*: under the Metropolitan Police Act the chief portion of 602,028*l.* was levied; and by the Corporation and the Commissioners of Sewers for the City of London 213,507*l.* were raised. The coal and wine dues levied within the Metropolis amounted to 314,422*l.*

But the most formidable rates are levied for those two most useful and now indispensable articles, water and light: for these, the Gas Companies levy 2,981,389*l.* for gas and meters; the Water Companies 1,131,034*l.* for water; making in the aggregate 4,112,023*l.* Their paid up capital is set down at 20,667,555*l.*,† the profits or the excess of revenue over expenditure at 1,627,454*l.*‡ Assuming that there

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* A metric cube of water equal in bulk to 220 imperial gallons is a metric ton, which differs little from the English ton in common use. The specific gravity of sewage somewhat exceeds that of water.

† Of this capital, however, 3,965,297*l.* is Loan capital borrowed at rates of interest varying from 4 to 5 per cent. and in one case only to 6 per cent. per annum; not therefore entitled to dividends.

‡ The following is the detailed return of revenue and expenditure:

TOTAL PAID UP CAPITAL, REVENUE, and EXPENDITURE of the METROPOLITAN GAS and WATER COMPANIES for the financial year ended in 1874.

———	Total paid up Capital.	Total Revenue.	Revenue from Gas and Meter, or from Water Rents.	Total Expenditure.
	£	£	£	£
GAS COMPANIES - -	10,616,493	3,703,200	2,981,389	2,767,274
WATER COMPANIES -	10,051,062	1,147,148	1,131,034	455,620

N.B.—Large sums are cleared by the sale of coke and other products.

Statistical and Commercial Department,
Board of Trade.

could be no saving by consolidation or improved plant—as the Metropolitan Board borrows money at $3\frac{1}{2}$ per cent., and could certainly borrow on the securities they offer, 20,000,000*l.* at four per cent.—the ratepayers might be supplied by them with gas and water at half the present cost; for 800,000*l.* instead of 1,600,000*l.* a year in round numbers. Thus 9*d.* in the pound of rateable value will pay expenses, and 4 per cent. on capital; the other 9*d.*, making 18*d.* in the pound, Twenty-two enterprising Companies have acquired the power to levy for an indefinite time.*

Weather.—The mean temperature of the year at Greenwich was 49°·2; the rainfall was 28·2 inches: the temperature slightly above, the rainfall 2·9 inches above the average of 60 years. The wind blew at the rate of 11·5 miles an hour, which is nearly 1 mile over the average of 26 years. And there was a cold period extending over February and the beginning of March; another extending over three weeks in the beginning of December which produced a sensible effect on the mortality.

Mortality.—The mortality in the year was at the rate of 23·7 to 1000 living, which is higher by 1·2 than in the preceding year, and higher than the average of the preceding five years. The increase was very much due to the combination of epidemics of scarlet fever and whooping-cough. Mesenteric disease also increased. Bronchitis and pneumonia were raised above the average by the weeks of very low temperature.

It is worthy of remark that the number of deaths to be dealt with in the year 1840 was 46,281, while in the year 1875 the number was 81,513, both being average years, and this is mainly due to increase of population, for the mortality was at the rate of 25·0 in the first, and 23·7 in the last year. The weekly deaths to be abstracted were 890 in 1840, and 1568 in 1875.

The mortality of the west districts was at the rate of 22·1 per 1000, of the north districts 22·3, of the south districts 24·0, of the east districts 25·5, of the central districts 26·0. The density of the same groups of districts expressed by the number of persons to an acre in 1871 was 52, 56, 21, 107, and 150. The south districts, even allowing for their rapid increase since 1871, are out of their order of mortality. They suffered excessively both from the epidemics of scarlet fever and whooping-cough.

South London was formerly supplied by waters contaminated by sewage and it was undrained: so the districts suffered exceptionally from the cholera epidemics of 1849 and 1854, the mortality per 1000 being 37·6 and 34·8, whereas when the water was purer it was only 24·1 in the epidemic of 1866. The mortality of South London was 24·9 in 1840–4, and only 22·4 in 1870–4. But the density of the population is rapidly increasing, and especial vigilance is required to sustain the advantages South London derived from the drainage, as it now has a population exceeding a million. The periodical tidal floods are fraught with danger.

The mortality of the *Central Districts* remains high and stationary, nor is it likely to be much reduced until the many rookeries still subsisting are cleared under the new Act, as they are unfit for the habitation of civilized men. The East Districts, as the population is growing denser (there were 66 and are 107 persons to an acre) every year, exhibit no diminution in the rates of mortality. In the West and the North Districts, although the number of persons to an acre is nearly double what it was in 1841, the mortality—all along below the average of the other groups of districts—is lower than it was in the first five years (1840–4).

Violent Deaths.—The violent deaths were 2852, or more by 82 than in 1874. Homicide is declining; the average annual number in the 10 preceding years was 124, whereas the deaths by homicide in the last two years were 97 and 70. The 298 deaths from suicide are the average number; they were much less frequent in October, November, and December than in the first three months of the year. The chief increase was in the deaths from negligence and accident. Accidental deaths by poisons were below, by drowning above, the average. The deaths by

* An allowance has been made for the parts of the Outer Ring supplied by the London Companies.

suffocation have recently shown a remarkable increase; the annual numbers were on an average 407 during the six years 1865–70; in the last four years the numbers were 496, 534, 540, and 555. This increase deserves the attention of the coroners: nearly all the victims were children.

231 men, women, and children, died of injuries by horses and vehicles in the streets of London. It is the highest number yet recorded in a year. The vans, waggons, and drays killed 82, carts killed 55, cabs 39, omnibuses 18, carriages 15, horses 11. Tram-cars are driven now with more care than they were; the deaths they caused in the last three years declined from 17 to 14, and to 9. The vans, waggons, and carts are evidently not driven so skilfully as the other vehicles, and they have no efficient breaks. Some of the victims were probably infirm and a few might have been intoxicated; but this was not the case with the majority. The numbers injured reported to the police, exclusive of 93 killed on the spot, were 2926. So in this battle of the streets going on daily 231 were killed and more than 2926 were wounded. Can nothing more be done to diminish these injuries and deaths?

The Greater London.

The Greater London extends over the City and over the Metropolitan Police District. It is a circle including all parishes of which any part is within a radius of 12 miles, and all parishes which are entirely within a circle struck with a radius of 15 miles from Charing Cross. The area is 698 square miles, equivalent to that of a circle of 14·9 miles radius. It includes, south of the Thames, Carshalton, Epsom, Croydon, Richmond, Kingston, in *Surrey;* Bromley, in *Kent;* north of the Thames, Chiswick, Brentford, Twickenham, Hampton, Staines, Uxbridge, Harrow, Barnet, Hornsey, in *Middlesex;* Cheshunt, in *Hertfordshire;* Stratford, Walthamstow, and Barking Town, in *Essex.* With a wise foresight these bounds were fixed by Sir Robert Peel.

The population was 3,885,641 in 1871; and it was estimated for 1875, by a satisfactory method, at 4,207,167; the births exceeded the deaths by 51,903; but the increase going on by this and by excess of immigration over emigration together was at the rate of about 80,000 a year. The mean density of population was between 8 and 9 persons to an acre. The inhabited houses in 1871 amounted to 528,804; and the rateable annual value to £23,177,380.

Several tributaries flow into the Thames besides the Lea River; and some of them supply water which is, however, generally drawn from wells or supplied by the great London companies, and by some small local companies. Croydon, Epsom, Enfield, Tottenham, and Uxbridge Local Boards supply many of their constituents.

The sewage of Croydon is dealt with by distribution over sewage farms; and in other places there are some sewers with outfalls into streams and the Thames. But as the entire supply of five great London water companies is drawn from the Thames at no great distance above Teddington Lock—and the admission of sewage below is by law prohibited—all the parishes and places except those in Inner London are shut out from their natural drainage outfalls. The immense and increasing population of the outer ring is practically without sewers; the houses have cesspools in which the refuse is accumulating. How long this can go on with impunity it is impossible to pronounce; but the day will come when the evil, then become less manageable, will make itself felt, and must be remedied at any cost. One of the sanitary authorities in Kent has with great spirit proposed and obtained a Bill for carrying out the West Kent scheme according to the plan of Sir Joseph Bazalgette, to drain all the parishes from Beckenham and Bromley down to Dartford, where, after the sewage had been either distributed on the land or filtered, the residue would be discharged into the Thames. The sewage should in all cases, as far as possible, be utilized, but in certain seasons and in exceptional circumstances the overflow into that part of the Thames is at once indispensable and innoxious.

The outer ring of London, besides being deprived of the advantages of sewerage and being inadequately supplied with water, suffers now from its want of municipal organization in many ways. Through the energy of the Metropolitan Board and the City authorities a measure is likely to pass through Parliament for reducing

the high price of gas ; but it does not yet appear that any efforts are made to bring all the Greater London under the improved systems in contemplation either for the supply of water or of gas.

Table 26 shows the present system of water supply in the outer ring; and the cost of gas as it is produced by a great number of small companies. There are in Greater London 48 gas companies, 14 in Inner London, 34 in the Outer Ring, the greater part of them paying high dividends ; 17 water companies, 8 in Inner London, 9 in the Outer Ring. Five local boards have had the spirit to supply their districts with water.

The rate of mortality in the Greater London was 22·7 ; of which 3·7 was by zymotic diseases. The mortality in the outer ring is still at the corrected annual rate of 17·9. Fever, however, had become more fatal in the outer ring than in Inner London.

English Cities.

Eighteen Great English Cities or Towns.—Excluding London, the estimated population was 3,236,873. Nearly all these cities present the same problems for solution as London. Each has in its different degrees its Outer Ring, now healthier than the Inner City of these returns, but more destitute of sewerage, water supply, and cheap light, and thus owing its relative superiority mainly to the lesser density of its population, which is every year increasing. The density of the towns themselves and the mortality for the last five years are shown in Table 1. The mortality of some of the cities is decreasing; and among them may be named Liverpool, Manchester, Sheffield, Sunderland, and Newcastle-upon-Tyne. Bristol, Birmingham, Nottingham, Salford, Oldham, Bradford, Hull experienced higher rates of mortality in 1875 than in 1871. The salubrity fluctuates from year to year; but in the year 1875 the towns, including London, stood in the following order : Portsmouth 19·5, Sunderland 22·4, London 23·7, Norwich 24·5, Wolverhampton 24·7, Sheffield 24·8, Newcastle-upon-Tyne 26·1, Leeds 26·4, Birmingham 26·5, Leicester 26·6, Bristol 26·8, Bradford 27·1, Hull 27·4, Liverpool 27·5, Nottingham 27·7, Oldham 29·6, Manchester 29·9, and the borough of Salford 31·5.

This order should be compared with the density of population as shown in Table 1, with the prevalent epidemics of zymotic disease as exhibited in Table 3, and the analysis of mortality in Table 4.

Fifty other large Town Districts, with an estimated population of 2,724,784, offer some interesting facts ; Table 8 shows their birth-rates, as well as death-rates, from all causes, and from seven zymotic diseases. In this year the mortality was at rates below 20 per 1000, in Dover (16·4), Chatham, Maidstone, Hastings, Reading (18·7), Colchester, Devonport (18·5), and Cheltenham (18·8). The mortality exceeded 26 in Exeter, Stockport (31·6), Wigan (30·3), Bolton, Bury, Ashton-under-Lyne (33·2), Preston (31·8), Gateshead, and Carlisle.

Indian, European, and American Cities.

Eighteen Great Cities abroad.—The Registrar General has been able fortunately to induce the enlightened authorities of more than twenty great cities in India, Europe, and America, to supply him with weekly returns in correspondence with those of England. They are all continuations, with the extensions modern science demands, of the old London Bills of Mortality which were commenced at the close of Elizabeth's reign. The only cities of great states now in default, and that we may hope only for a time, are Stockholm, St. Petersburgh, and Moscow. In the year the mortality was lowest in Philadelphia and Christiania (23), and highest in Munich (37·4). Cholera augmented the mortality in Calcutta, Bombay, and Madras. Diphtheria and typhus were very fatal in Berlin ; typhus in Munich ; small-pox in Vienna; fever in Rome and Naples; diphtheria and small-pox in New York and Brooklyn ; scarlet fever in Philadelphia.

TABLES.

TABLE 1.—Population; Persons to an Acre; Births and Deaths; Annual Birth and Death Rates; Mean Temperature and Rainfall, in the Year 1875, in London and Twenty other Large Towns of the United Kingdom.

CITIES AND BOROUGHS.	Estimated Population in the middle of the Year 1875.*	Persons to an Acre, mid. 1875. †	Births in 52 Weeks ending 1st Jan. 1876.	Deaths in 52 Weeks ending 1st Jan. 1876.	Annual Rate per 1000 living, of						Mean Temperature in 52 Weeks ending 1st Jan. 1876.	Rainfall in inches in 52 Weeks ending 1st Jan. 1876.
					Births in 52 Weeks ending 1st Jan. 1876.	Deaths in 52 or 53 Weeks in each Year.				Deaths in 52 Weeks ending 1st Jan. 1876.		
						1871.	1872.	1873.	1874.	1875.		
In 21 Towns of the United Kingdom	7,742,889	37·0	286,978	197,011	37·1	26·9	24·3	24·4	25·4	25·4	° 48·4	Inches. 32·44
London	3,445,160	45·7	122,871	81,513	35·7	24·6	21·4	22·5	22·5	23·7	49·4	27·29
Portsmouth	122,632	27·3	4,019	2,390	32·8	19·3	22·9	18·4	20·4	19·5	—	—
Norwich	82,842	11·1	2,703	2,026	32·6	25·9	26·3	21·5	23·5	24·5	48·3	26·65
Bristol	196,186	44·1	7,151	5,254	36·5	23·2	22·0	23·1	22·7	26·8	48·6	42·71
Wolverhampton	71,718	21·1	2,762	1,775	38·5	28·0	25·9	25·1	23·9	24·7	48·1	37·99
Birmingham	366,325	43·6	14,882	9,724	40·6	24·9	23·0	24·9	26·8	26·5	48·7	37·42
Leicester	109,830	34·3	4,250	2,923	38·7	26·8	26·8	24·4	24·1	26·6	48·8	33·12
Nottingham	92,251	46·2	3,183	2,554	34·5	26·0	25·3	23·2	24·8	27·7	48·0	31·37
Liverpool	516,063	99·1	19,873	14,169	38·5	35·1	27·1	25·9	32·0	27·5	48·2	28·74
Manchester	356,626	83·1	14,064	10,676	39·4	31·2	28·6	30·1	30·4	29·9	—	—
Salford	135,720	26·3	6,421	4,271	47·3	30·4	25·8	29·3	29·6	31·5	47·9	37·76
Oldham	87,437	18·7	3,663	2,590	41·9	24·9	31·1	25·8	29·7	29·6	—	—
Bradford	168,305	23·3	6,557	4,556	39·0	25·5	26·3	24·7	27·0	27·1	48·1	29·81
Leeds	285,118	13·2	11,500	7,518	40·3	26·4	27·9	27·6	28·7	26·4	48·5	27·10
Sheffield	267,881	13·6	11,026	6,642	41·2	28·3	26·0	25·8	26·9	24·8	48·4	35·06
Hull	133,932	36·8	5,436	3,666	40·6	23·2	26·1	23·9	25·5	27·4	47·6	30·74
Sunderland	106,342	32·2	4,501	2,386	42·3	36·5	26·5	22·8	23·4	22·4	—	28·07
Newcastle-on-Tyne	137,665	25·6	5,586	3,587	40·6	32·2	26·3	30·1	29·2	26·1	—	—
Edinburgh	211,626	50·5	6,742	5,015	31·9	26·9	26·5	22·0	23·6	23·7	—	—
Glasgow	534,564	88·6	20,812	15,294	38·9	32·9	28·4	29·1	31·1	28·6	47·8	—
Dublin	314,666	31·3	8,976	8,482	28·5	26·2	28·5	25·7	26·0	27·0	49·6	32·80

NOTE.—The deaths in Birmingham, Manchester, and Bristol include paupers belonging to those cities who died in Workhouses situated outside the Municipal boundaries.

* The figures in this column, excepting those for Dublin, are the numbers enumerated at the Census in April 1871, raised to the middle of 1875 by the addition of 4¼ times the annual rate of increase which prevailed between 1861 and 1871. The population of Dublin is taken as stationary at the number enumerated in 1871.

† For density of population per acre in the several Registration Districts of London, see Table 15.

TABLE 2.—**Mean Temperature,** and **Annual Rate** of **Mortality** per 1000 Persons living in **Eighteen English** and in **Three other Large Towns** of the **United Kingdom,** in each Week of 1875.

Number of Week.	Weeks ending	Mean Temperature at Greenwich.		Annual Rate of Mortality per 1000 in																				
		Fahrenheit.	Centigrade.	Eighteen English Towns.	London.	Portsmouth.	Norwich.	Bristol.	Wolverhampton.	Birmingham.	Leicester.	Nottingham.	Liverpool.	Manchester.	Salford.	Oldham.	Bradford.	Leeds.	Sheffield.	Hull.	Sunderland.	Newcastle-on-Tyne.	Edinburgh.	Glasgow.	Dublin.
		°	°																					
	Year (of 52 Weeks ending 1st Jan. 1876.)	49·4	9·66	25	24	19	24	27	25	27	27	28	27	30	31	30	27	26	25	27	22	26	24	29	27
	March Qr. (13 weeks)	40·4	4·66	29	27	22	30	30	32	32	29	33	33	36	34	33	29	28	27	28	27	27	28	36	34
	June „ (13 weeks)	54·0	12·22	23	22	17	24	24	21	25	21	25	25	28	27	30	25	23	23	27	21	23	23	28	24
	Sept. „ (13 weeks)	60·5	15·84	24	22	19	23	24	23	25	31	27	26	27	32	25	27	28	25	30	22	29	21	25	22
	Dec. „ (13 weeks)	42·9	6·06	25	24	19	21	30	23	25	25	26	27	29	34	31	28	27	24	25	20	26	23	25	23
1	Jan. 9	43·1	6·17	37	35	19	31	45	40	40	42	43	44	49	48	42	35	36	28	32	23	35	45	66	42
2	„ 16	46·0	7·78	31	29	24	31	37	32	36	29	37	38	42	33	30	22	30	25	27	30	32	34	44	42
3	„ 23	44·7	7·06	26	24	30	30	26	25	31	35	23	33	30	28	25	24	26	23	30	25	23	24	34	33
4	„ 30	43·2	6·22	27	25	17	26	24	18	35	25	31	32	31	35	30	26	29	29	25	27	23	29	28	33
5	Feb. 6	36·0	2·22	26	24	23	23	20	31	34	24	35	29	33	30	32	29	26	27	23	23	26	21	32	33
6	„ 13	34·5	1·39	28	26	20	27	27	32	31	27	29	37	37	30	25	27	27	31	30	27	27	29	36	33
7	„ 20	37·5	3·06	29	27	25	33	26	34	32	31	30	31	35	33	25	31	25	26	28	29	31	31	34	33
8	„ 27	33·5	0·84	30	28	21	31	31	33	33	31	38	33	39	35	41	24	30	29	27	24	30	26	34	29
9	Mar. 6	33·9	1·06	30	28	21	37	34	40	32	28	36	33	37	40	33	32	27	30	26	25	25	26	32	33
10	„ 13	43·5	6·39	29	28	23	32	28	44	30	30	31	32	32	35	40	27	29	26	34	26	27	24	37	33
11	„ 20	37·0	2·78	28	26	25	31	28	37	27	23	36	31	33	30	36	30	28	27	26	31	29	25	35	29
12	„ 27	42·7	5·95	27	25	21	25	29	23	26	29	29	30	34	32	37	34	20	26	32	30	23	27	32	33
13	April 3	45·8	7·67	29	28	23	29	33	33	33	29	32	29	31	26	31	32	27	29	24	27	25	22	30	33
14	„ 10	44·5	6·95	27	27	20	25	28	19	27	31	31	28	32	39	34	27	27	27	28	29	25	24	29	29
15	„ 17	42·8	6·00	26	25	18	35	28	22	25	28	25	27	31	28	35	33	24	28	28	26	30	24	31	29
16	„ 24	46·6	8·12	25	24	20	31	27	22	26	18	34	26	32	32	32	32	22	23	26	24	17	20	31	29
17	May 1	52·1	11·17	25	23	24	31	27	23	28	28	21	27	31	32	33	28	23	26	33	25	20	22	32	29
18	„ 8	54·6	12·56	23	23	21	15	26	23	28	17	21	25	29	25	27	21	24	21	29	22	25	23	24	33
19	„ 15	59·3	15·17	23	22	15	18	26	23	26	25	23	26	28	28	39	26	27	24	21	17	23	20	28	29
20	„ 22	53·9	12·17	22	20	16	27	22	24	23	15	21	23	27	20	30	32	27	26	25	18	19	20	28	29
21	„ 29	54·1	12·28	21	20	15	27	20	21	22	23	26	20	25	30	22	23	21	20	25	17	23	26	26	29
22	June 5	59·9	15·50	22	20	22	27	29	18	25	20	28	22	24	22	35	20	23	25	29	16	23	20	30	29
23	„ 12	58·9	14·94	21	20	15	23	20	22	24	11	16	25	29	25	21	19	21	20	25	24	22	27	28	29
24	„ 19	56·0	13·33	21	20	13	21	17	19	21	19	31	23	27	20	30	22	22	22	29	18	24	21	28	29
25	„ 26	58·6	14·78	22	21	16	16	22	20	22	19	24	24	25	26	27	21	23	22	30	20	25	26	27	29
26	July 3	59·7	15·39	21	20	9	23	24	21	22	23	21	23	25	22	29	22	20	20	24	19	20	22	25	29
27	„ 10	58·5	14·72	22	21	16	9	18	20	24	21	27	22	24	24	27	21	21	24	23	19	27	21	23	19
28	„ 17	56·2	13·44	22	22	12	18	18	12	19	22	30	21	24	36	27	18	26	23	31	19	26	21	25	19
29	„ 24	60·2	15·67	24	22	13	17	23	21	22	30	34	23	31	24	24	25	29	22	29	22	29	21	31	29
30	„ 31	60·8	16·01	23	22	14	18	28	21	20	32	26	26	25	31	24	24	24	25	24	17	32	21	25	29
31	Aug. 7	59·8	15·45	23	20	14	25	26	15	24	37	22	25	29	30	26	29	31	27	29	16	28	21	24	19
32	„ 14	65·2	18·44	24	22	18	17	25	19	27	40	32	25	24	33	23	22	28	24	31	18	36	18	26	19
33	„ 21	66·6	19·23	24	22	24	29	25	27	24	34	19	27	29	36	25	24	25	24	28	25	26	19	29	29
34	„ 28	62·2	16·78	25	22	23	26	21	26	30	40	26	26	25	30	16	21	29	32	32	25	35	23	25	29
35	Sept. 4	60·0	15·56	25	22	26	35	29	30	32	35	36	26	28	36	25	35	31	25	30	24	31	25	25	29
36	„ 11	60·8	16·01	25	23	20	25	27	26	24	29	25	33	30	36	24	32	29	24	39	24	30	23	22	29
37	„ 18	63·2	17·33	24	20	24	31	26	31	26	35	23	26	23	32	26	36	28	25	31	26	27	20	22	29
38	„ 25	60·1	15·62	23	20	23	26	20	20	24	25	29	28	27	38	33	35	29	23	30	25	26	17	25	29
39	Oct. 2	55·1	12·84	25	21	23	22	29	28	30	27	20	29	30	35	24	29	32	28	35	31	22	23	21	29
40	„ 9	54·3	12·39	23	21	23	23	28	17	23	32	19	22	28	27	27	31	22	25	25	17	25	22	22	29
41	„ 16	45·8	7·67	24	22	17	25	28	23	22	23	28	27	26	31	30	28	27	22	27	26	24	21	21	29
42	„ 23	49·7	9·83	25	24	17	25	28	20	25	25	31	27	28	31	26	32	31	23	30	19	24	22	21	29
43	„ 30	43·6	6·45	24	22	17	19	26	14	23	21	29	24	31	35	25	32	26	21	24	20	24	20	23	29
44	Nov. 6	48·2	9·00	24	24	17	14	25	26	21	25	29	25	28	33	29	29	31	20	23	24	21	19	21	29
45	„ 13	43·0	6·11	25	24	19	20	36	26	22	24	28	25	26	30	30	32	28	21	24	17	25	23	26	29
46	„ 20	45·8	7·67	24	24	19	18	27	17	24	28	27	21	26	35	35	29	25	23	20	16	29	28	27	29
47	„ 27	36·0	2·22	23	23	15	19	28	19	23	19	27	24	25	31	25	24	28	21	21	20	31	24	25	29
48	Dec. 4	30·9	−0·62	26	25	22	22	30	31	25	33	23	29	25	34	35	30	27	23	22	24	28	29	30	29
49	„ 11	33·3	0·73	28	28	17	25	36	33	28	21	31	30	34	33	35	21	26	32	23	17	21	22	31	29
50	„ 18	37·5	3·06	29	28	28	19	29	26	32	24	24	31	38	46	32	28	31	28	24	23	26	25	30	29
51	„ 25	46·1	7·84	26	24	17	23	35	22	27	21	23	28	35	38	31	24	29	25	20	21	28	26	27	29
52	Jan. 1 (1876)	43·1	6·17	27	27	23	23	30	23	26	25	23	30	33	33	39	24	22	26	36	20	27	22	26	29

TABLE **3.**—**Deaths** in **18** of the **largest English Towns** in the 52 Weeks ending 1st Jan. 1876.

(Estimated aggregate population in middle of 1875, 6,682,033; viz., 3,445,160 in London, and 3,236,873 in the 17 other Towns.)

BOROUGHS, &c. (*Municipal Boundaries for all except* LONDON.)	Deaths from ALL CAUSES.	The DEATHS registered in the 52 Weeks included											
		Deaths of		Deaths from								Inquest Cases.	In Public Institutions.
		Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.	Violence.		
In 18 TOWNS - -	168,220	44,137	33,130	426	2628	7346	828	5802	3561	8542	5886	10644	23,419
LONDON - - - -	81513	19892	16783	75	1427	3651	546	3232	1282	3198	2852	5563	13773
PORTSMOUTH - -	2390	533	590	-	64	47	18	7	100	138	39	101	273
NORWICH - - -	2026	567	595	-	18	34	3	144	44	111	48	92	159
BRISTOL - - - -	5254	1189	1141	70	107	457	13	101	94	128	167	271	635
WOLVERHAMPTON -	1775	446	386	-	2	26	6	58	37	107	69	95	291
BIRMINGHAM - -	9724	2920	1624	175	138	271	55	432	196	841	452	840	1145
LEICESTER - - -	2923	1040	494	-	45	172	8	88	63	300	67	159	300
NOTTINGHAM - -	2554	634	533	-	75	159	2	34	73	125	89	158	278
LIVERPOOL - - -	14169	4170	3411	29	117	468	27	365	477	842	703	836	2135
MANCHESTER - -	10676	2593	1803	17	209	325	43	305	208	516	386	946	1609
SALFORD - - -	4271	1141	633	32	138	251	25	142	111	283	105	262	348
OLDHAM - - -	2590	647	434	3	34	68	11	57	86	103	58	115	159
BRADFORD - - -	4556	1313	597	3	22	459	11	108	81	253	109	176	310
LEEDS - - - -	7518	2266	1291	20	107	231	23	217	140	560	200	352	559
SHEFFIELD - - -	6642	1940	1032	-	42	312	12	181	322	418	169	249	592
HULL - - - -	3666	1039	647	2	31	279	7	134	108	267	130	142	305
SUNDERLAND - -	2386	762	475	-	5	60	8	134	46	152	90	97	165
NEWCASTLE-ON-TYNE -	3587	1045	661	-	47	76	10	63	93	200	153	190	383

TABLE **4.**—**Analysis** of the **Mortality** in **18** of the **largest English Towns** in the 52 Weeks ending 1st January 1876.

BOROUGHS, &c.	ANNUAL RATE OF MORTALITY per 1000 living at all Ages.			DEATHS under 1 Year, to 1000 Births Registered.	ANNUAL RATE OF MORTALITY per 1000 living.		PER-CENTAGE, TO TOTAL DEATHS, OF DEATHS.	
	ALL CAUSES.	SEVEN PRINCIPAL ZYMOTIC DISEASES.	VIOLENCE.		Aged 1 to 60 Years.	Aged 60 Years and upwards.	Registered upon Certificate of the Coroner. (Inquests.)	Registered in large Public Institutions.
In 18 TOWNS - -	25·2	4·4	0·9	176	14·9	84·7	6·3	13·9
LONDON - - - -	23·7	3·9	0·8	162	14·3	78·3	6·8	16·9
PORTSMOUTH - -	19·5	3·0	0·3	133	11·3	82·0	4·2	11·4
NORWICH - - -	24·5	4·3	0·6	210	11·9	74·1	4·5	7·8
BRISTOL - - - -	26·8	4·9	0·9	166	16·6	82·7	5·2	12·1
WOLVERHAMPTON -	24·7	3·3	1·0	161	14·4	94·7	5·4	16·4
BIRMINGHAM - -	26·5	5·8	1·2	196	15·4	87·6	8·6	11·8
LEICESTER - - -	26·6	6·2	0·6	245	14·0	71·5	5·4	10·3
NOTTINGHAM - -	27·7	5·1	1·0	199	16·7	78·5	6·2	10·9
LIVERPOOL - - -	27·5	4·5	1·4	210	13·9	139·2	5·9	15·1
MANCHESTER - -	29·9	4·6	1·1	184	19·2	99·9	8·9	15·1
SALFORD - - -	31·5	7·2	0·8	178	20·1	94·1	6·1	8·1
OLDHAM - - -	29·6	4·1	0·7	177	18·8	96·1	4·4	6·1
BRADFORD - - -	27·1	5·6	0·6	200	17·1	73·0	3·9	6·8
LEEDS - - - -	26·4	4·6	0·7	197	15·2	86·3	4·7	7·4
SHEFFIELD - - -	24·8	4·8	0·6	176	14·9	82·7	3·7	8·9
HULL - - - -	27·4	6·2	1·0	191	16·3	76·3	3·9	8·3
SUNDERLAND - -	22·4	3·8	0·8	169	11·9	79·2	4·1	6·9
NEWCASTLE-ON-TYNE -	26·1	3·6	1·1	187	15·0	88·0	5·3	10·7

TABLE 5.—LONDON, 1871. Of the **3,254,260 enumerated Inhabitants,** the **Number of each Sex born** in LONDON, and the **Number born elsewhere.**

—	MALES.			FEMALES.			EXCESS OF FEMALES.		
	Under 20 Years of Age.	20 Years and upwards.	TOTAL.	TOTAL.	Under 20 Years of Age.	20 Years and upwards.	TOTAL.	Under 20 Years of Age.	20 Years and upwards.
TOTAL INHABITANTS	680,358	842,793	1,523,151	1,731,109	708,690	1,022,419	207,958	28,332	179,626
BORN IN LONDON -	576,659	398,802	975,461	1,080,115	590,370	489,745	104,654	13,711	90,943
BORN OUT OF LONDON	103,699	443,991	547,690	650,994	118,320	532,674	103,304	14,621	88,683

Note.—The enumerated Population of London in 1871 included 2,055,576 of both sexes born in London and 1,198,684 born elsewhere. Of those *under* 20 *Years of Age* 1,167,029 were born in London, 222,019 were born elsewhere; of those *aged* 20 *and upwards* 888,547 were born in London, 976,665 were born elsewhere.

TABLE 6.—**Area, Population, Inhabited Houses, Rateable Value** of GREATER LONDON, 1871.

—	AREA.		Enumerated POPULATION, 1871.	DENSITY OF POPULATION in 1871.		INHABITED HOUSES, 1871.	RATEABLE VALUE, 1871.*
	In Acres (including Tidal Water).	In Square Miles.		Persons to an Acre.	Persons to a Square Mile.		
GREATER LONDON -	446,494	698	3,885,641	8·7	5,567	528,804	£ 23,177,380
INNER LONDON -	78,080	122	3,254,260	41·7	26,674	417,767	19,796,257
OUTER RING - -	368,414	576	631,381	1·7	1,096	111,037	3,381,123

* The Rateable Value of London in 1871 was furnished by the Local Government Board.

TABLE 7.—**Deaths** and **Annual Rate of Mortality** in GREATER LONDON (THE METROPOLITAN A. CITY POLICE DISTRICTS), during the 52 Weeks ending 1st January 1876.

—	Estimated POPULATION, middle of 1875.	ANNUAL RATE of MORTALITY per 1000 living.		TOTAL BIRTHS.	DEATHS from ALL CAUSES.	The DEATHS registered in the 52 Weeks include									
		From All Causes.	From Seven Zymotic Diseases.			Deaths of		Deaths from							Deaths in Public
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.	
GREATER LONDON	4,207,167	22·7	3·7	147,465	95,562	23,254	20,369	85	1499	4177	669	3629	1600	3738	15
INNER LONDON -	3,445,160	23·7	3·9	122,871	81,513	19,892	16,783	75	1427	3651	546	3232	1282	3198	13
OUTER RING -	762,007*	18·4†	2·6	24,594	14,049	3,362	3,586	10	72	526	123	397	318	540	1

* The Population of the Outer Ring is now estimated by deducting the estimated Population of Inner London from that Greater London calculated upon the rate of increase which prevailed between 1861 and 1871.
† The Death-rate in the Outer Ring corrected for the deaths in the two Middlesex County Lunatic Asylums (see Table was equal to 17·9 per 1000.

TABLE 8.—Population; Births and Deaths during the Year 1875 in Fifty other large Town Districts.

District Number.	Towns.	Estimated Population in the middle of the Year 1875.*	Registered during the Year 1875.		Annual Rate to 1000 living during the Year 1875.			Districts and Sub-districts, taken as approximately representing the several Towns.
			Births.	Deaths.	Births.	Deaths.	Deaths from 7 Zymotic Diseases.	
	TOTAL of 50 TOWNS -	2,724,784	99,960	64,901	36·6	23·8	3·5	Total of the under-mentioned Districts and Sub-districts.
	II.—SOUTH EASTERN COS.							
45	Rochester and Chatham P -	62,579	2003	1241	32·0	19·8	2·5	Entire District of Medway.
49	Maidstone - - - M† -	27,677	866	541	31·3	19·5	3·7	West and East Sub-districts.
63	Dover - - - - M -	36,939	1070	607	29·0	16·4	0·9	Entire District. [Sub-districts.
67	Hastings - - - M† -	35,490	957	677	27·0	19·1	1·5	All Saints and St. Mary-in-the-Castle
76	Brighton - - - P -	111,089	3108	2350	28·0	21·2	2·4	Entire District and part of Shoreham Sub-district of Steyning.
88	Gosport - - -Town -	22,644	751	500	33·2	22·1	2·3	Entire District of Alverstoke.
96	Southampton - - M -	50,175	1635	1034	32·6	20·6	2·0	Entire District.
118	Reading - - - M† -	37,132	1390	695	37·4	18·7	2·0	Entire District.
	III.—SOUTH MIDLAND COS.							
149	Oxford - - - - M -	41,630	1333	915	32·0	22·0	2·1	Entire District, and St. Clement Sub-district of Headington.
159	Northampton - - M† -	52,204	1875	1293	35·9	24·8	5·1	St. Giles & All Saints Sub-districts.
178	Cambridge - - - M -	31,812	1003	712	31·5	22·4	1·8	Entire District.
	IV.—EASTERN COUNTIES.							
195	Colchester - - - M -	27,500	888	536	32·3	19·5	2·7	Entire District.
213	Ipswich - - - - M -	45,138	1542	1028	34·2	22·8	2·2	Entire District.
219	Yarmouth - - - M† -	47,123	1514	1041	32·1	22·1	4·4	Entire District and Gorleston Sub-district of Mutford.
	V.—SOUTH WESTERN COS.							
272	Exeter - - - - M† -	35,046	1037	913	29·6	26·1	4·5	Entire District.
277	Plymouth - - - M -	71,667	2101	1485	29·3	20·7	2·2	Entire District.
278	East Stonehouse - - —† -	14,689	618	345	42·1	23·5	2·5	Entire District.
279	Devonport - - - M -	49,449	1501	917	30·4	18·5	3·2	Entire District of Stoke Damerel.
317	Bath - - - - M† -	54,541	1377	1256	25·2	23·0	1·6	Bathwick, Abbey, Lyncombe, Walcot, and Landsdown Sub-districts.
	VI.—WEST MIDLAND COS.							
335	Cheltenham - - - P† -	42,908	1038	808	24·2	18·8	1·2	Cheltenham Sub-district.
351	Shrewsbury - - - M† -	27,901	792	594	28·4	21·3	1·9	St. Mary & St. Chad (Atcham) Sub-dists.
364	Stoke-upon-Trent - P -	158,033	6792	4035	43·0	25·5	4·5	Entire Dis. of Stoke-on-Trent & Tunstall and Burslem Sub-dis. of Wolstanton.
373	Walsall - - - - M† -	53,357	2168	1093	40·6	20·5	3·2	Bloxwich & Walsall Sub-districts.
375	Dudley - - - - M† -	46,650	2041	1209	43·8	25·9	3·1	Dudley Sub-district.
380	Worcester - - - M -	33,051	996	815	30·1	24·7	3·6	Entire District.
393	Coventry - - - M -	40,113	1435	910	35·8	22·7	3·2	Entire District.
	VII.—NORTH MIDLAND COS.							
421	Lincoln - - - - M† -	33,878	1342	741	39·6	21·9	2·8	Home Sub-district.
438	Derby - - - - M -	67,855	2739	1605	40·4	23·7	4·1	Entire District.
	VIII.—NORTH WESTERN COS.							
445	Stockport - - - M† -	58,903	2296	1862	39·0	31·6	6·3	Heaton Norris, and Stockport 1st and 2d Sub-districts.
446	Macclesfield - - - M† -	33,734	1226	864	36·3	25·6	2·3	East and West Macclesfield and Sutton Sub-districts.
452	Chester - - - - M† -	48,583	1500	1079	30·9	22·2	2·8	Castle and Cathedral Sub-districts.
454	Birkenhead - - - P -	71,482	2887	1801	40·4	25·2	5·6	Birkenhead and Tranmere Sub-districts.
459	Wigan - - - - M† -	42,124	1995	1276	47·4	30·3	5·6	Wigan Sub-district.
462	Bolton - - - - M† -	86,017	3385	2289	39·4	26·6	4·6	Little, Eastern, and Western Bolton Sub-districts.
463	Bury - - - - P† -	46,687	1804	1275	38·6	27·3	4·6	South and North Bury, and Elton Sub-districts.
468	Ashton-under-Lyne - M† -	31,441	1204	1043	38·3	33·2	6·4	Ashton Town Sub-district.
470	Rochdale - - - M† -	51,233	1790	1334	34·9	26·0	4·6	Castleton nearer, Spotland nearer, and Wardleworth Sub-districts.
474	Blackburn - - - M† -	82,761	3412	2135	41·2	25·8	3·6	Blackburn Sub-district.
476	Preston - - - - M† -	86,487	3499	2749	40·5	31·8	5·1	Preston Sub-district.
	IX.—YORKSHIRE.							
494	Huddersfield - - M† -	78,786	2846	1933	36·1	24·5	3·7	Almondbury, Kirkheaton, Huddersfield, & Lockwood Sub-dists.
495	Halifax - - - - M† -	86,496	2903	1913	33·6	22·1	2·6	Southowram, Halifax, and Northowram Sub-districts.
515	York - - - - M† -	58,483	1984	1402	33·9	24·0	2·8	Bootham, Micklegate, and Walmgate Sub-district.
	X.—NORTHERN COUNTIES.							
551	South Shields - - M -	93,228	4045	2144	43·4	23·0	4·5	Entire District.
552	Gateshead - - - M† -	56,147	2674	1489	47·6	26·5	3·8	Gateshead Sub-district.
554	Tynemouth - - - M† -	43,093	1730	1002	40·1	23·3	2·9	North Shields & Tynemouth Sub-dists.
569	Carlisle - - - - M† -	34,781	1194	932	34·3	26·8	5·8	St. Cuthbert & St. Mary Sub-dists.
	XI.—MONMOUTHSH. & WALES.							
582	Newport (Monmouth) M† -	32,362	1269	716	39·2	22·1	1·5	Newport Sub-district.
583	Cardiff - - - - M† -	74,589	2995	1699	40·2	22·8	4·5	Cardiff Sub-district.
585	Merthyr Tydfil - - P -	98,576	4073	2224	41·3	22·6	3·1	Lower and Upper Merthyr Tydfil, and Aberdare Sub-districts.
588	Swansea - - - M -	70,521	3337	1844	45·2	25·0	4·1	Swansea [and Llangafelach, and Llansamlet (Neath) Sub-dists.

NOTE.—The letter M or P affixed to the name of each Town denotes whether the limits, which the Districts or Sub-districts in the last column approximately represent, are Municipal or Parliamentary.

* For method of framing these estimates see note * to Table I. As the population of Gosport, Devonport, Coventry, Macclesfield, and Ashton-under-Lyne declined between 1861 and 1871, the numbers for these towns are estimated to have remained stationary since 1871. The estimates of the present population of Dudley and Wigan have been based upon local information as to the increase of inhabited houses in these two boroughs between 1871 and 1875.

† The rates of mortality for these towns have been corrected by the exclusion of a proportional number of deaths occurring in County Hospitals and Lunatic Asylums, situate within the Districts or Sub-districts here taken as representing the town, or by the exclusion or addition of a proportion of the deaths in Union Workhouses in cases where a portion of the Union only is embraced by the area taken, or where the Workhouse is situated outside that area.

TABLE 9.—LONDON—OUTER RING. **Births**; **Deaths** from **All Causes** and from the **Seven Principal Zymotic Diseases**; and the **Annual Rate of Mortality** during the 52 Weeks ending 1st January 1876.

DISTRICTS AND SUB-DISTRICTS.	BIRTHS.	DEATHS.	DEATHS from Seven Zymotic Diseases.	ANNUAL RATE per 1000 living.		
				Births.	Deaths.	Seven Zymotic Diseases.
LONDON—OUTER RING -	24,594	14,049	1986	32·3	17·9	2·6
EPSOM (*part of*) - - - - -	753	421	42	28·3	15·8	1·6
CROYDON and *part of* GODSTONE -	3146	1884	319	28·9	17·3	2·9
KINGSTON (*part of*) - - - -	1975	1093	137	30·3	16·8	2·1
RICHMOND - - - - - - -	828	505	77	27·5	16·8	2·6
BROMLEY (*part of*) - - - -	1133	586	75	31·1	16·1	2·1
BEXLEY - - - - - - - -	724	416	60	31·1	17·9	2·6
STAINES - - - - - - - -	724	414	69	32·4	18·7	3·1
UXBRIDGE - - - - - - -	776	629	42	29·1	16·8	1·6
BRENTFORD - - - - - - -	2564	1493	191	30·7	18·0	2·3
HENDON and BUSHEY - - - -	1763	900	147	31·4	16·1	2·6
BARNET and *part of* HATFIELD - -	799	697	50	27·7	16·2	1·7
EDMONTON - - - - - - -	3380	1962	306	34·2	20·0	3·1
WEST HAM and *part of* CHIGWELL -	5391	2674	402	40·5	20·1	3·0
ROMFORD (*part of*) - - - -	638	375	69	39·4	23·2	4·3

Note.—In estimating the population of these Districts, upon which the birth and death-rates have been calculated, it has been assumed that the rate of increase since 1871 has been the same as that which prevailed between 1861 and 1871. In calculating the rates of mortality for this Table a proportion of the deaths recorded in the two Middlesex County Lunatic Asylums, situated in the Districts of Uxbridge and Barnet, has been excluded as belonging to the Middlesex portion of Registration or Inner London, and the remainder distributed among the Middlesex Districts in the Outer Ring.

TABLE **10.—Births** and **Deaths** in 1875 in **22 Foreign Cities.**

TOWNS.	AREA in Square Kilometers.	POPULATION (enumerated or estimated).	BIRTHS. (Exclusive of Stillborn.)	DEATHS. (Exclusive of Stillborn.)	ANNUAL RATE per 1000 Persons living.		DEATHS FROM EPIDEMIC DISEASES.
					Births.	Deaths.	
CALCUTTA - -	-?	447,600	-	14,944	-	33·4	Small-pox 797; cholera 1695.
BOMBAY - - -	48·2	644,405	-	18,714	-	29·0	Measles 1496; cholera 844.
MADRAS - - -	69·9	397,552	-	14,127	-	35·5	Cholera 935.
BRUSSELS - -	9·0	188,264	6,257	4,567	33·2	24·3	Typhoid fever 63.
AMSTERDAM - -	14·3	286,932	-	8,754	-	30·5	—
ROTTERDAM - -	7·2	129,239	-	4,003	-	31·0	—
THE HAGUE - -	22·2	97,565	-	2,766	-	28·4	—
CHRISTIANIA - -	-?	75,000	-	1,727	-	23·0	—
BERLIN - - -	59·2	980,000	-	30,746	-	31·4	Diphtheria 1197; typhus 936.
HAMBURG (State) -	384·8	370,002	-	9,806	-	26·5	Typhus 206.
BRESLAU - - -	30·2	225,000	9,616	7,083	42·7	31·5	—
MUNICH - - -	51·6	185,000	-	6,914	-	37·4	Typhus 224.
VIENNA - - -	55·3	676,791	-	17,654	-	26·1	Small-pox 786.
ROME - - -	14·1	256,153	7,672	7,876	30·0	30·7	Fevers 1269.
NAPLES - - -	52·9	451,000	16,242	14,849	36·0	32·9	Typhus 427.
TURIN - - -	17·8	217,806	6,806	5,625	31·2	25·8	Fevers 371.
MILAN - - -	-?	273,079	-	9,538	-	34·9	—
VENICE - - -	-?	128,995	3,825	4,215	29·7	32·7	—
TRIESTE - - -	-?	125,648	4,993	4,466	39·7	35·5	—
NEW YORK - -	106·2	1,040,000	-	30,632	-	29·5	Diphtheria 2319; small-pox 1272.
BROOKLYN - -	-?	450,000	-	12,433	-	27·6	Diphtheria 968; small-pox 627.
PHILADELPHIA -	335·1	800,000	-	18,085	-	22·6	Scarlet fever 1032.

ABLE **11.—Population** at different **Ages** in **London,** as enumerated at the Censuses of **1851, 1861,** and **1871,** with the Numbers of **Males** and **Females** at the various **Ages** in **1871.**

—	All Ages.	Under 5 Years.	5–	10–	15–	20–	25–	30–	35–	40–	45–	50–	55–	60–	65–	70–	75–	80–	85–	90–	95–	100 & upwds.
1851.																						
ersons	2,362,236	293,562	243,648	216,369	213,694	241,401	226,632	201,491	164,588	144,361	110,426	97,937	63,903	59,043	36,440	26,168	13,474	6,371	2,025	553	123	27
1861.																						
ersons	2,803,989	362,296	300,259	234,349	259,155	277,389	252,035	224,767	190,517	175,900	134,190	112,728	78,187	71,316	42,936	31,103	16,194	7,527	2,394	595	131	21
1871.																						
ersons	3,254,260	422,629	349,686	309,658	307,075	321,585	296,884	255,089	212,398	192,556	153,728	137,249	93,370	80,895	52,388	37,810	18,710	8,894	2,822	669	139	26
ales –	1,523,151	211,032	172,967	153,138	143,221	143,822	135,039	117,966	97,834	89,452	71,604	62,951	42,053	34,814	21,471	14,869	6,803	3,008	894	173	34	6
emales	1,731,109	211,597	176,719	156,520	163,854	177,763	161,845	137,123	114,564	103,104	82,124	74,298	51,317	46,081	30,917	22,941	11,907	5,886	1,928	496	105	20

NOTE.—In England the proportion of Females to Males in the population in 1871 was as 105 to 100; in London it was as 114 to 00, and corresponded with the proportion which prevailed at the 1861 Census. The excess of Females is especially apparent t the ages 15–20, and in each subsequent quinquennium.

TABLE **12.—Births** and **Deaths** in **London** in the 52 or 53 Weeks of Fifteen Years 1861 to 1875.

YEARS.	1861	1862	1863 (53 weeks)	1864	1865	1866	1867	1868 (53 weeks)	1869	1870	1871	1872	1873 (53 weeks)	1874	1875
BIRTHS* - - -	96389	97418	103897	102187	106722	107992	112264	115744	111930	113499	112535	117200	121100	121394	122871
DEATHS* - - -	65001	66950	72346	77723	73460	80129	70588	74908	77933	77278	80332	70893	76634	76606	81513
Excess of BIRTHS over DEATHS -	31388	30468	31551	24464	33262	27863	41676	40836	33997	36221	32203	46307	44466	44788	41358
BIRTHS - Males -	49076	49187	53225	52207	54110	54956	57402	58838	56876	58031	57034	59861	61602	61865	62674
BIRTHS - Females -	47313	48231	50672	49980	52612	53036	54862	56906	55054	55468	55501	57339	59498	59529	60197
DEATHS - Males -	33014	34133	37024	39353	37569	40978	36276	38390	39812	39730	40685	36401	39001	39144	41917
DEATHS - Females -	31987	32817	35322	38370	35891	39151	34312	36518	38121	37548	39647	34492	37633	37462	39596
DEATHS in FIVE GROUPS of DISTRICTS: —															
West - - - -	10125	10273	11190	11972	11331	11499	11244	12066	12004	13097	12665	11197	12183	12407	13371
North - - -	13809	13889	15673	16685	16495	17301	16138	16529	17059	17394	19295	16247	16846	17268	17970
Central - - -	9682	9854	10270	10857	9968	9770	8804	8983	9149	8748	8291	7682	8210	8118	8099
East - - - -	13741	15007	15871	17172	15881	20574	14818	16067	17506	15813	16702	15175	16702	16671	16887
South - - -	17644	17927	19342	21037	19785	20985	19584	21263	22215	22226	23379	20592	22693	22142	25186

* The births and deaths in this Table are compiled from the Weekly Returns, which embrace 364 days, and in three years 371 days; and for this reason the deaths for all the years previous to 1875 differ from the numbers in 29 Districts (see Table 15, on page xx), which are, except those for 1875, derived from the returns for complete years, from 1st January to 31st December.

TABLE 13.—**Annual Rate of Mortality,** in the 36 Years 1840–1875, in **Five Groups** of **Metropolitan Districts.**

	LONDON.	WEST DISTRICTS.	NORTH DISTRICTS.	CENTRAL DISTRICTS.	EAST DISTRICTS.	SOUTH DISTRICTS.
Area in Square Miles -	122·0	16·8	21·0	3·5	9·3	71·4
Decennial Increase of Population per Cent., 1861–71	16·1	22·5	21·6	−12·8 (decrease).	11·9	25·2
Enumerated Population, 1871 - - - -	3,254,260	561,359	751,729	334,369	639,111	967,692
Density; persons to an acre - - 1841	25	27	28	172	66	11
Density; persons to an acre - - 1871	42	52	56	150	107	21
YEARS.	**MEAN RATE OF MORTALITY PER 1000 IN 36 YEARS.**					
1840–1875 - - -	24·2	22·6	22·8	25·2	25·9	24·4
	MEANS OF 10 YEARS.					
1840–9 - - -	25·2	23·5	23·1	25·1	26·6	26·6
1850–9 - - -	23·6	22·3	22·1	24·2	24·9	24·4
1860–9 - - -	24·3	22·6	23·4	26·5	26·8	23·2
	MEANS OF 5 YEARS.					
1840–4 - - -	24·4	23·3	23·1	24·6	25·5	24·9
1845–9 - - -	25·9	23·7	23·1	25·6	27·7	28·2
1850–4 - - -	24·2	22·8	22·0	24·3	25·2	25·8
1855–9 - - -	23·1	21·9	22·1	24·1	24·6	22·9
1860–4 - - -	24·1	22·8	22·9	26·4	25·9	23·3
1865–9 - - -	24·5	22·3	23·9	26·5	27·6	23·2
1870–4 - - -	23·1	21·4	22·7	25·1	25·1	22·4
	ANNUAL RATE OF MORTALITY PER 1000.					
1840 - - -	25·0	24·1	23·9	24·5	25·7	25·9
1841 - - -	24·0	22·4	22·4	25·0	25·1	24·4
1842 - - -	23·5	22·6	22·6	23·6	24·4	23·9
1843 - - -	24·7	23·3	23·1	25·3	26·4	24·8
1844 - - -	25·0	23·9	23·3	24·4	25·9	25·6
1845 - - -	23·2	22·5	21·0	24·0	24·6	23·8
1846 - - -	23·3	21·6	21·9	22·9	24·1	24·6
1847 - - -	27·0	24·5	25·4	27·9	29·4	27·7
1848 - - -	25·8	23·6	23·4	25·3	28·7	27·2
1849 - - -	30·1	26·1	23·7	27·9	31·8	37·6
1850 - - -	21·0	19·6	19·8	21·1	21·7	21·9
1851 - - -	23·4	22·0	22·2	24·1	24·3	24·0
1852 - - -	22·6	21·5	21·2	23·9	23·3	23·0
1853 - - -	24·4	22·3	22·4	25·1	26·5	25·3
1854 - - -	29·4	28·5	24·4	27·4	30·0	34·8
1855 - - -	24·3	23·0	23·3	25·1	25·5	24·6
1856 - - -	22·1	21·5	21·1	23·0	23·3	21·8
1857 - - -	22·4	21·2	21·5	23·8	24·6	21·5
1858 - - -	23·9	22·4	22·9	24·5	25·8	24·0
1859 - - -	22·7	21·4	21·7	24·1	24·0	22·6
1860 - - -	22·5	22·2	21·2	23·3	24·1	22·1
1861 - - -	23·2	22·1	22·3	25·4	24·0	22·8
1862 - - -	23·6	22·0	22·0	26·3	26·0	22·7
1863 - - -	24·5	23·0	23·8	27·1	26·5	23·3
1864 - - -	26·6	24·6	25·4	30·0	29·0	25·4
1865 - - -	24·6	22·7	24·5	27·5	26·4	23·2
1866 - - -	26·5	22·6	25·3	27·5	34·0	24·1
1867 - - -	23·0	21·8	23·1	25·1	24·2	22·0
1868 - - -	23·6	22·3	22·9	25·6	25·6	22·9
1869 - - -	24·6	22·2	23·5	26·8	28·0	23·9
1870 - - -	24·1	23·8	23·6	26·1	25·1	23·5
1871 - - -	24·6	22·4	25·6	25·0	26·1	24·0
1872 - - -	21·5	19·6	21·2	23·6	23·6	20·9
1873 - - -	22·5	20·5	21·2	25·1	25·2	22·1
1874 - - -	22·6	20·9	21·8	25·6	25·4	21·4
1875 - - -	23·7	22·1	22·3	26·0	25·5	24·0
Average Number living to One Annual Death in 36 years - - -	41	44	44	40	39	41

NOTE.—The populations upon which these rates of mortality have been calculated are deduced from the numbers enumerated at the four Censuses of 1841, 1851, 1861, and 1871. The deaths used for the 35 years 1840-74 are for the complete years, while those for 1875 are the numbers registered in the 52 weeks ending 1st January 1876; the 1875 rates have been corrected for the difference between 365·2422 days and the 364 days included by those 52 weeks.

Certain alterations affecting the West and Central groups of districts were made in the year 1868, but no corrections have been made in the results given in this Table for any year prior to 1861.

TABLE 14.—Causes of Deaths REGISTERED in London in each of the 10 Years 1865–1874; Averages 1865–1874; and Deaths REGISTERED in 1875 and in each Quarter of 1875.

Class.														1875.			
	MEAN TEMPERATURE -	50°·3	49°·8	48°·6	51°·6	49°·5	48°·7	48°·7	50°·7	49°·1	49°·4	49°·6	49°·4	QUARTER ENDING			
	YEARS - - - - -	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874	Averages 1865–74†	1875	Apr. 3	July 3	Oct. 2	Jan. 1 1876.
	CAUSES OF DEATH.	364 Days.	364 Days.	364 Days.	371 Days	364 Days.	364 Days.	364 Days.	364 Days.	371 Days.	364 Days.	365·4 Days.	364 Days	91 Days	91 Days	91 Days	91 Days
	ALL CAUSES - -	73460	80129	70588	74908	77933	77278	80332	76893	76634	76606	81187·4	81513	23367	18838	18469	20839
	SPECIFIED CAUSES -	72551	79446	69757	74234	77406	76831	80009	70639	76355	76347	80632·5	81270	23305	18789	18416	20760
	(CLASSES.)																
I.	ZYMOTIC DISEASES	18058	23680	15027	18893	20885	20634	22878	16236	15203	15453	19939·1	17559	3448	3674	5713	4724
II.	CONSTITUTIONAL „	14415	14864	14063	14621	14442	14437	14022	13891	14378	14338	15351·4	15216	4007	3899	3668	3642
III.	LOCAL „	28826	29755	29206	29338	31334	31270	32071	29921	35343	35255	33418·1	37220	12671	8543	6300	9706
IV.	DEVELOPMENTAL „	8606	8604	8912	8815	8397	8514	8444	7983	8588	8531	9137·2	8423	2392	1939	2070	2022
V.	VIOLENT DEATHS -	2646	2543	2549	2567	2348	2576	2594	2608	2843	2770	2786·7	2852	787	734	665	666
	(ORDERS.)																
I.	1. MIASMATIC DISEASES -	16539	22203	13566	17323	19425	18611	21518	14750	13683	13893	18351·7	15842	3006	3277	5234	4325
	2. ENTHETIC „ -	441	457	480	529	549	517	417	510	503	504	525·0	549	162	120	139	128
	3. DIETIC „ -	880	836	726	807	710	726	778	819	832	868	854·1	969	249	236	257	227
	4. PARASITIC „ -	198	184	255	234	201	180	165	157	185	188	208·3	199	31	41	83	44
II.	1. DIATHETIC „ -	2483	2466	2398	2522	2527	2665	2506	2531	2666	2851	2740·8	2741	695	676	681	689
	2. TUBERCULAR „ -	11932	12398	11665	12099	11915	11772	11516	11360	11712	11487	12610·6	12475	3312	3223	2987	2953
III.	1. DISEASES OF NERVOUS SYSTEM - -	7892	8272	8211	8489	8467	8647	8454	7855	8413	8831	8937·8	9195	2660	2261	1972	2302
	2. „ OF ORGANS OF CIRCULATION -	3456	3496	3258	3558	3633	3649	3953	3802	4227	4297	3994·2	4418	1327	1009	880	1202
	3. „ OF RESPIRATORY ORGANS - -	12545	13230	12907	12182	14121	13906	14500	12985	16912	16112	14915·8	17492	7072	3816	1983	4621
	4. „ OF DIGESTIVE ORGANS - -	3091	2916	2879	3031	2961	3033	3047	3131	3416	3464	3313·7	3495	891	822	913	869
	5. „ OF URINARY ORGANS - -	1088	1131	1241	1197	1363	1294	1310	1831	1472	1595	1393·3	1639	446	388	349	456
	6. „ OF ORGANS OF GENERATION -	268	260	220	295	265	235	230	259	278	284	277·6	283	60	73	70	80
	7. „ OF ORGANS OF LOCOMOTION -	239	241	305	331	300	274	347	335	337	320	324·1	373	112	95	72	94
	8. „ OF INTEGUMENTARY SYSTEM -	247	209	185	255	224	232	230	223	288	352	261·6	325	103	79	61	82
IV.	1. DEV. DIS. OF CHILDREN	2077	2207	2230	2193	2118	2099	2205	2057	2100	2174	2296·2	2343	666	581	544	552
	2. „ OF ADULTS -	310	328	306	284	270	316	325	260	331	349	329·5	338	97	75	77	89
	3. „ OF OLD PEOPLE	2721	2574	2609	2544	2587	2743	2643	2295	2661	2479	2766·6	2462	847	562	475	578
	4. DISEASES OF NUTRITION	3498	3495	3767	3794	3422	3356	3271	3371	3496	3529	3744·9	3280	782	721	974	803
V.	1. ACCIDENT OR NEGLIGENCE - - -	2241	2137	2148	2126	1914	2153	2138	2169	2373	2360	2328·2	2428	655	626	561	586
	3. HOMICIDE - - -	132	138	104	112	110	106	109	125	124	97	123·8	70	30	16	12	12
	4. SUICIDE - - -	267	258	260	294	302	273	300	268	287	255	295·7	298	85	83	77	53
	5. EXECUTION - - -	..	1	3	2	1	2	..	1	..	3	1·4	2	1	..	..	1
	VIOLENT DEATHS NOT CLASSED - - -	6	9	34	33	21	42	47	45	59	55	37·6	54	16	9	15	14
	SUDDEN DEATHS, CAUSE UNASCERTAINED - - - -	191	131	85	60	53	79	40	24	38	36	78·9	48	9	8	12	19
	CAUSES NOT SPECIFIED - -	718	552	746	614	474	368	283	230	241	223	476·0	195	53	41	41	60

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.
† The averages have been raised 7 per cent. to allow for increase of population.

TABLE **14** (*continued*).—**Causes** of **Deaths** REGISTERED in **London** in each of the 10 Years

Class.													1875.			
	MEAN TEMPERATURE	50°·3	49°·8	48°·6	51°·6	49°·5	48°·7	48°·7	50°·7	49°·1	49°·4	49°·6	49°·4	QUARTER ENDING			
	YEARS	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874	Averages 1865–74.	1875	Apr. 3	July 3	Oct. 2	Jan. 1 1876.
	CAUSES OF DEATH.	364 Days.	364 Days.	364 Days.	371 Days.	364 Days.	364 Days.	364 Days.	364 Days.	371 Days.	364 Days.	365·4 Days.	364 Days.	91 Days	91 Days	91 Days	91 Days
I.	ORDER 1.																
	1. Small-pox	646	1388	1332	606	273	958	7876	1781	115	56	1608·3	75	37	17	15	6
	2. Measles	1302	2259	1125	1989	1425	1443	1431	1680	2195	1655	1765·9	1427	175	295	345	612
	3. Scarlet Fever (Scarlatina)	2181	1885	1438	2921	5803	5998	1896	904	652	2662	2818·4	3651	570	583	1076	1422
	4. Diphtheria	433	431	398	497	343	313	313	255	306	365	391·0	546	146	128	113	159
	5. Quinsy	51	70	44	32	33	24	29	29	44	63	44·8	62	13	9	13	27
	6. Croup	742	716	723	717	582	592	528	616	719	751	715·4	722	238	164	117	203
	7. Whooping-cough	2921	2933	2251	2369	3755	1935	2299	3249	2689	1861	2810·1	3232	759	979	732	762
	8. Typhus Fever	3232	2681	2174	2483	724	468	398	175	284	312	2271·2	128	29	46	19	34
	Enteric or Typhoid Fever					1055	976	885	824	921	883		842	256	192	177	217
	Simple continued Fever					635	609	463	341	344	359		312	87	69	85	71
	9. Erysipelas	363	310	264	427	332	447	494	386	424	558	428·5	433	138	108	78	109
	10. Puerperal Fever (Metria)	182	153	157	219	198	217	182	251	306	456	248·3	304	82	69	65	88
	11. Carbuncle	57	55	44	51	53	25	28	38	38	36	45·4	38	10	7	11	10
	12. Influenza	36	37	34	26	39	30	35	21	16	16	31·1	21	16	3	..	2
	13. Dysentery	110	148	85	90	94	87	85	79	83	72	99·8	78	9	20	28	21
	14. Diarrhœa	3557	3184	2942	4060	3400	3776	3894	3490	3879	3077	3772·7	3198	210	436	2128	424
	15. Cholera	193	5577	241	320	217	235	221	175	164	122	798·8	107	6	15	78	8
	16. Ague	24	7	13	17	23	14	19	12	17	26	18·4	18	1	5	7	5
	17. Remittent Fever	44	30	3	8	16	10	9	18	15	15	18·0	8	2	2	3	1
	18. Rheumatism	454	327	290	474	403	429	408	408	453	526	446·4	614	213	126	137	138
	19. Other *Zymotic* Diseases	11	12	8	17	22	25	25	18	19	22	19·2	26	9	4	7	6
	ORDER 2.																
	1. Syphilis	369	408	423	473	466	463	356	435	436	423	454·8	471	132	105	124	110
	2. Stricture of Urethra	61	36	52	52	78	51	59	72	63	70	63·6	72	28	15	11	18
	3. Hydrophobia	9	11	3	..	3	..	1	..	1	9	4·0	6	2	..	4	..
	4. Glanders	2	2	2	4	2	3	1	3	3	2	2·6	..	..	..	..	..
	ORDER 3.																
	1. Privation	26	26	39	36	20	27	20	14	20	15	26·0	32	16	5	2	9
	2. Want of Breast Milk	531	514	431	507	442	479	455	525	539	592	536·6	610	155	133	178	144
	3. Purpura and Scurvy	80	91	100	95	83	104	152	118	120	110	112·7	121	26	33	34	28
	4. Alcoholism *a* Del. Tremens	150	113	98	110	118	70	89	86	79	71	105·3	97	25	34	19	19
	4. Alcoholism *b* Intemperance	93	92	58	59	47	46	62	76	74	80	73·5	109	27	31	24	27
	ORDER 4.																
	1. Thrush	191	177	242	228	187	173	146	137	168	171	194·7	185	28	38	78	41
	2. Worms, &c.	7	7	13	6	14	7	19	20	17	17	13·6	14	3	3	5	3
II.	ORDER 1.																
	1. Gout	88	73	96	115	105	109	123	126	121	143	117·6	140	40	38	34	28
	2. Dropsy	775	765	630	638	656	656	566	516	542	574	676·0	448	112	101	106	129
	3. Cancer	1392	1417	1464	1580	1584	1677	1611	1712	1793	1929	1729·0	1951	477	490	490	494
	4. Cancrum Oris (Noma)	34	17	39	23	19	17	19	22	16	17	23·9	17	2	4	6	5
	5. Mortification	194	194	169	166	163	206	187	155	194	188	194·3	185	64	43	45	33
	ORDER 2.																
	1. Scrofula	465	475	410	407	388	429	473	464	576	583	499·7	654	177	171	154	152
	2. Tabes Mesenterica	1236	1155	1115	1190	1207	1131	1178	1180	1214	1195	1262·7	1573	338	342	520	373
	3. Phthisis	8710	9277	8817	9021	8788	8773	8473	8366	8544	8255	9311·6	8797	2392	2330	1954	2121
	4. Hydrocephalus	1521	1491	1323	1481	1532	1439	1392	1350	1378	1454	1536·6	1451	405	380	359	307
III.	ORDER 1.																
	1. Cephalitis	776	705	745	867	850	910	855	928	931	959	912·3	1097	314	289	274	220
	2. Apoplexy	1811	1809	1815	1763	1794	2056	2113	2014	2170	2262	2098·0	2195	623	512	441	619
	3. Paralysis	1365	1560	1532	1550	1548	1600	1490	1392	1602	1636	1634·4	1617	499	408	294	416
	4. Insanity	95	116	139	116	107	110	114	115	118	159	127·2	131	50	33	21	27
	5. Chorea	11	7	7	7	18	15	12	10	11	4	10·9	13	3	2	3	5
	6. Epilepsy	394	371	329	355	353	344	285	335	367	372	375·0	418	112	119	79	108
	7. Convulsions	2534	2787	2768	2867	2967	2742	2735	2253	2322	2533	2836·4	2595	751	648	611	585
	8. *Brain Disease, &c.*	906	917	876	964	830	870	850	808	892	906	943·6	1129	308	250	249	322
	ORDER 2.																
	1. Pericarditis	107	106	118	136	134	122	133	134	136	165	138·1	147	47	39	28	33
	2. Aneurism	131	100	137	147	139	157	142	152	157	159	152·0	158	45	35	31	47
	3. *Heart Disease, &c.*	3218	3290	3003	3275	3360	3370	3678	3516	3934	3973	3704·1	4113	1235	935	821	1122
	ORDER 3.																
	1. Laryngitis	323	314	323	343	397	421	388	395	486	486	414·7	492	202	141	56	93
	2. Bronchitis	7265	7512	7501	6688	8059	8234	8806	7542	10259	9583	8715·1	10601	4612	2127	1031	2831
	3. Pleurisy	152	123	154	187	171	156	156	208	232	267	193·2	271	76	84	39	72
	4. Pneumonia	3600	4168	3627	3800	4217	3762	3776	3681	4291	4298	4196·6	4552	1563	1126	663	1200
	5. Asthma	490	430	601	439	555	529	564	383	694	549	560·0	576	272	100	51	153
	6. *Lung Disease, &c.*	715	683	701	725	722	804	810	776	950	929	836·2	1000	347	238	143	272
	ORDER 4.																
	1. Gastritis	89	92	82	93	86	98	96	94	95	119	101·0	112	31	20	31	30
	2. Enteritis	322	277	286	313	322	278	290	270	351	340	326·2	379	80	77	114	108
	3. Peritonitis	248	237	218	299	245	278	278	289	356	365	301·0	296	91	71	68	66
	4. Ascites	166	141	143	106	116	128	125	124	112	121	137·2	90	22	18	25	25
	5. Ulceration of Intestines	126	116	125	142	136	173	169	151	174	147	156·1	147	34	39	37	37
	6. Hernia	146	155	159	169	161	176	171	172	175	199	180·1	210	59	55	45	51
	7. Ileus	164	152	182	163	150	166	189	172	210	185	185·4	175	41	44	46	44
	8. Intussusception	47	49	57	42	54	50	56	61	50	73	57·7	61	13	15	17	16

1865–1874; **Averages** 1865–1874; and **Deaths** REGISTERED in 1875 and in each Quarter of 1875.

Class.														1875.			
	MEAN TEMPERATURE –	50°·3	49°·8	48°·6	51°·6	49°·5	48°·7	48°·7	50°·7	49°·1	49°·4	49°·6	49°·4	QUARTER ENDING			
	YEARS – – – –	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874	Averages 1865–74.	1875	Apr. 3	July 3	Oct. 2	Jan. 1 1876.
	CAUSES OF DEATH.	364 Days.	364 Days.	364 Days.	371 Days.	364 Days.	364 Days.	364 Days.	364 Days.	371 Days.	364 Days.	365·4 Days.	364 Days.	91 Days	91 Days	91 Days	91 Days
III. *cont.*	ORDER 4.—*continued.*																
	9. Stricture of Intestines –	42	48	35	45	45	36	58	58	45	48	49·2	66	15	14	20	17
	10. Fistula – – –	26	19	22	20	18	19	25	26	39	23	25·4	19	4	3	6	6
	11. *Stomach Disease, &c.* –	360	319	314	330	308	356	313	334	371	361	360·2	354	88	80	96	90
	12. *Pancreas Disease, &c.* –	1	2	1	3	2	1	..	1	1	1	1·4	1	..	..	1	..
	13. Hepatitis – – –	202	214	185	171	166	178	164	169	202	203	198·4	231	65	60	58	48
	14. Jaundice – – –	211	189	203	238	225	204	225	245	223	215	233·0	226	54	52	73	47
	15. *Liver Disease, &c.* –	926	882	842	883	915	878	872	954	1001	1050	984·7	1107	289	270	268	280
	16. *Spleen Disease, &c.* –	15	24	25	14	12	14	16	11	11	14	16·7	21	5	4	8	4
	ORDER 5.																
	1. Nephritis – – –	47	51	60	87	106	124	114	91	111	165	102·3	164	51	30	32	51
	2. Ischuria – – –	14	21	17	15	15	14	8	24	14	15	16·8	14	3	4	4	3
	3. Bright's Dis. (Nephria)	483	451	518	436	608	543	494	644	642	709	591·5	741	213	156	153	219
	4. Diabetes – – –	84	84	84	93	93	104	110	105	130	124	108·1	115	30	33	18	34
	5. Calculus (Stone) – –	32	43	41	45	38	32	44	42	48	43	43·7	41	13	12	3	13
	6. Cystitis – – –	44	61	57	71	55	55	68	60	72	72	65·8	80	30	17	15	18
	7. *Kidney Disease, &c.* –	384	420	464	450	448	422	472	365	455	467	465·1	484	106	136	124	118
	ORDER 6.																
	1. Ovarian Dropsy – –	50	23	41	41	38	24	24	20	32	20	33·5	20	3	5	7	5
	2. *Uterus Disease, &c.* –	218	237	179	254	227	211	206	239	246	264	244·1	263	57	68	63	75
	ORDER 7.																
	1. Synovitis (Arthritis) –	6	10	7	9	14	19	20	15	19	20	14·9	27	4	8	3	12
	2. *Joint Disease, &c.* –	233	231	298	322	286	255	327	320	318	300	309·2	346	108	87	69	82
	ORDER 8.																
	1. Phlegmon – – –	101	75	85	132	113	127	126	107	154	214	132·1	182	55	46	37	44
	2. Ulcer – – – –	72	67	50	56	56	48	44	54	55	74	61·6	63	25	16	9	13
	3. *Skin Disease, &c.* – –	74	67	50	67	55	57	60	62	79	64	67·9	80	23	17	15	25
IV.	ORDER 1.																
	1. Premature Birth – –	1081	1112	1105	1105	1010	1060	1155	1171	1158	1201	1193·9	1255	336	307	294	318
	2. Cyanosis – – –	107	107	112	118	92	103	100	127	126	127	119·7	139	47	23	36	33
	3. Spina Bifida – – –	36	55	56	48	65	57	60	52	64	52	58·3	61	16	11	17	17
	4. Other Malformations –	81	85	98	88	69	97	87	76	92	81	91·4	114	26	29	33	26
	5. Teething – – –	772	848	859	834	882	782	803	631	660	713	832·9	774	241	211	164	158
	ORDER 2.																
	1. Paramenia – – –	10	12	9	9	11	10	7	7	5	14	10·1	14	4	3	4	3
	2. Childbirth (*see* Puerperal Fever) – – –	300	316	297	275	259	306	318	253	326	335	319·4	324	93	72	73	86
	ORDER 3.																
	1. Old Age – – –	2721	2574	2609	2544	2587	2743	2643	2295	2661	2479	2766·6	2462	847	562	475	578
	ORDER 4.																
	1. Atrophy and Debility –	3498	3495	3767	3794	3422	3356	3271	3371	3496	3529	3744·9	3280	782	721	974	803
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																
	1. Fractures and Contusions	999	915	845	871	774	941	909	893	977	964	972·4	1004	261	255	250	238
	2. Wounds { Gunshot –	25	28	22	20	21	44	38	2	4	7	34·5	2	..	..	..	2
	{ Cut, Stab –								36	29	46		41	8	11	12	10
	3. Burns and Scalds –	328	296	302	287	263	275	261	239	279	274	300·0	270	93	55	30	92
	4. Poison – – – –	40	49	55	44	44	52	45	43	45	58	50·8	46	13	7	11	15
	5. Drowning – – –	329	333	335	339	297	279	300	339	363	324	346·5	375	64	124	134	53
	6. Suffocation – – –	405	408	457	386	388	400	490	496	534	540	481·9	555	170	144	97	144
	7. Otherwise – – –	115	108	132	179	127	162	95	121	142	147	142·1	135	46	30	27	32
	ORDER 3. (HOMICIDE.)																
	1. Murder and Manslaughter	132	138	104	112	110	106	109	125	124	97	123·8	70	30	16	12	12
	ORDER 4. (SUICIDE.)																
	1. Wounds { Gunshot –	14	15	15	16	10	16	21	17	17	21	17·3	11	5	4	2	..
	{ Cut, Stab –	67	63	59	50	75	62	72	64	72	58	68·7	77	23	23	17	14
	2. Poison – – – –	50	52	45	46	54	51	52	44	41	28	49·5	44	13	8	13	10
	3. Drowning – – –	36	33	46	72	69	56	69	57	62	59	59·8	57	16	21	13	7
	4. Hanging – – –	78	77	58	79	74	57	63	64	76	64	73·8	81	22	23	22	14
	5. Otherwise – – –	22	18	37	31	20	31	23	22	19	25	26·6	28	6	4	10	8
	ORDER 5. (EXECUTION.)																
	1. Hanging – – –	..	1	3	2	1	2	..	1	..	3	1·4	2	1	..	..	1
	Violent Deaths (not classed)	6	9	34	33	21	42	47	45	59	55	37·6	54	16	9	15	14
	Sudden Deaths (cause unascertained) – – –	191	131	85	60	53	79	40	24	38	36	78·9	48	9	8	12	19
	Causes not specified or ill-defined – – – – –	718	552	746	614	474	368	283	230	241	223	476·0	195	53	41	41	60

NOTE.—Cases of "infantile fever" are classed with those of "enteric or typhoid fever;" "relapsing," and other continued fevers, under "simple continued fever;" "rheumatic fever" is classed with "rheumatism." As "stricture of the urethra" is almost invariably the result of gonorrhœa, it is classed among enthetic diseases. Cases of "hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (Class V.; 1; 7.) Where a person is "found drowned" the coroners do not always succeed in discovering whether the case is a suicide, a murder, or an accident; such cases are classed under "accident or negligence."

TABLE **15.—Deaths** REGISTERED in the **London Districts**, and the **Mean Temperature**, in each of the 11 Years 1865–1875.

DISTRICTS.	AREA in Acres.*	DENSITY, Persons to an Acre, 1871.	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874	187 (52 weeks
Mean Temperature - - -	—	—	50°·3	49°·8	48°·6	51°·6	49°·5	48°·7	48°·7	50°·7	48°·9	49°·4	49°·
LONDON - -	78,080	42	73,531	80,453	70,924	73,798	78,082	77,634	80,430	71,355	75,459	76,813	81,51
1 KENSINGTON - - -	3441	63	3509	3668	3837	3962	4056	4427	4286	3993	4371	4677	4778
1a FULHAM - - - -	4209	16	1194	1169	1230	1336	1397	1579	1446	1405	1479	1660	1862
2 CHELSEA - - - -	861	83	1652	1717	1568	1789	1772	1927	1877	1640	1686	1802	1925
3 ST. GEO. HANOVER SQ. -	2051	76	3885	3808	3612	3672	3620	3963	3928	3244	3339	3310	3731
4 WESTMINSTER - - -	216	237	1103	1178	1086	1092	1180	1252	1127	1002	1101	1004	1077
5 MARYLEBONE - - -	1506	106	4070	4146	4125	3863	3984	3945	3852	3704	3668	3884	3967
6 HAMPSTEAD - - -	2248	14	408	396	411	400	459	550	1636	687	541	563	648
7 PANCRAS - - - -	2672	83	5254	5268	4851	4888	5067	5407	5456	4919	5206	5057	5416
8 ISLINGTON - - - -	3107	69	4617	5154	4509	4886	4937	5078	5046	4196	4456	4816	4814
9 HACKNEY - - - - -	3935	32	2193	2405	2268	2247	2650	2476	3327	2814	2725	3009	3122
10 ST. GILES - - -	245	219	1591	1505	1435	1345	1459	1421	1269	1198	1150	1213	1199
11 STRAND - - -	433	95	1382	1320	1170	1253	1210	1263	1149	1041	1208	1081	1084
12 HOLBORN - - - -	816	200	4344	4428	3985	4042	4201	4062	3878	3686	3918	3925	3933
13 LONDON CITY - - -	731	104	2619	2558	2253	2232	2316	2058	2018	1825	1814	1906	1886
14 SHOREDITCH - - - -	648	196	3326	3436	2973	3242	3462	3210	3410	2959	3052	2939	3285
15 BETHNAL GREEN - - -	755	159	2780	3840	2778	2985	3252	2850	3029	2690	3066	3033	309
16 WHITECHAPEL - - -	405	190	2549	3525	2350	2519	2627	2471	2469	2411	2424	2637	2477
17 ST. GEO.-IN-THE-EAST -	244	197	1393	1881	1238	1238	1408	1273	1392	1083	1259	1292	1177
18 STEPNEY - - - -	569	101	1373	1850	1176	1334	1492	1256	1266	1089	1272	1245	1344
19 MILE END OLD TOWN -	679	137	1845	2438	1884	1934	2245	1993	2229	1944	2110	2104	2122
20 POPLAR - - - - -	2648	44	2646	3706	2476	2575	3050	2838	2942	3089	3259	3435	3399
21 ST. SAVIOUR SOUTHWARK -	1170	150	4196	4724	4135	4270	4793	4379	4672	3850	4298	4252	4677
22 ST. OLAVE SOUTHWARK -	1725	71	3026	3167	2982	3127	3703	3220	3519	3088	3495	3198	3804
23 LAMBETH - - - -	4059	51	4110	4190	4061	4386	4371	4615	5475	4713	5025	4851	5611
24 WANDSWORTH - - -	11740	11	1818	2083	1951	2152	2390	2674	2877	2426	2545	2796	3093
25 CAMBERWELL - - -	4450	25	1909	2056	2065	2262	2361	2377	2350	2340	2431	2487	2993
26 GREENWICH - - - -	3800	26	2550	2494	2266	2409	2438	2491	2241	2103	2311	2212	2538
27 LEWISHAM - - - -	11436	5	623	782	691	773	794	894	817	825	818	899	95
28 WOOLWICH - - - -	7281	10	1566	1561	1508	1585	1388	1685	1445	1391	1432	1476	150

NOTE.—The Deaths in this Table are compiled from the Abstracts which appear in the Registrar General's Annual Reports, except for the year 1875, in which the Deaths are derived from the Weekly Returns embracing 52 weeks.

* These areas have recently been supplied to the Registrar General by the Ordnance Survey Department, and include 2718 acres of tidal water, or river Thames. For area of the Greater London see Table 6, on p. xii.

ABLE 16. LONDON.—**Births** and **Deaths**; DEATHS of CHILDREN under 1 Year of Age, and of PERSONS aged 60 Years and upwards from ALL CAUSES; and DEATHS from the principal ZYMOTIC DISEASES and from VIOLENCE, INQUEST CASES, and DEATHS in PUBLIC INSTITUTIONS, in GROUPS of DISTRICTS, and in each METROPOLITAN DISTRICT in the 52 Weeks of 1875.

REGISTRARS' SUB-DISTRICTS.	Enumerated **Population**, 1871.	Total BIRTHS in 52 Weeks.	Total DEATHS in 52 Weeks.	The DEATHS registered in the 52 Weeks include														
				Deaths of		Deaths from												Deaths in Public Institutions.
				Children under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus Fever.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhœa.	Cholera.	Violence.	Inquest Cases.	
LONDON	3,254,260	122871	81513	19892	16783	75	1427	3651	546	3232	128	842	312	3198	107	2852	5563	13773
WEST DISTRICTS	561,359	18589	13371	3099	3067	7	235	590	86	461	19	150	35	485	17	405	880	2159
NORTH DISTRICTS	751,729	27867	17970	4240	4097	15	271	789	138	667	30	191	52	716	22	574	1219	3065
CENTRAL DISTRICTS	334,369	10158	8099	1798	1436	6	115	282	34	300	7	85	25	281	3	357	732	1708
EAST DISTRICTS	639,111	26439	16887	4448	3215	8	319	650	56	794	39	136	80	714	37	707	1503	3217
SOUTH DISTRICTS	967,692	39818	25186	6307	4968	39	487	1340	232	1010	33	280	120	1002	28	809	1229	3624
WEST DISTRICTS.																		
1. KENSINGTON	217112	7399	4778	1102	1143	3	33	191	32	172	4	44	12	181	7	144	324	639
1a. FULHAM	66041	3035	1862	514	386	1	50	137	9	76	6	21	5	95	7	54	126	138
2. CHELSEA	70738	2527	1925	476	449	1	61	84	15	63	2	30	3	55	–	39	133	275
3. ST. GEO. HANOVER SQ.	156287	4225	3731	771	837	–	85	154	23	93	7	50	9	116	3	146	250	929
4. WESTMINSTER	51181	1403	1075	236	252	2	6	24	7	57	–	5	6	38	–	22	47	178
NORTH DISTRICTS.																		
5. MARYLEBONE	159254	4893	3967	806	970	4	44	179	18	131	1	24	13	166	4	131	286	919
6. HAMPSTEAD	32281	956	648	135	183	–	2	2	17	12	–	5	–	29	–	12	27	149
7. PANCRAS	221465	8010	5416	1266	1232	2	82	192	55	232	5	29	16	173	5	243	479	1092
8. ISLINGTON	213778	9043	4818	1314	1003	6	78	263	30	175	8	45	15	225	6	106	266	435
9. HACKNEY	124951	4965	3121	719	709	3	65	153	18	117	16	88	8	123	7	82	161	471
CENTRAL DISTRICTS.																		
10. ST. GILES	53556	1709	1199	318	272	1	15	43	1	50	–	8	4	56	1	25	97	158
11. STRAND	41339	942	1085	180	165	–	7	29	4	17	2	11	5	33	1	63	107	359
12. HOLBORN	163491	5915	3935	1028	637	2	65	156	18	176	4	49	12	158	1	116	292	558
13. LONDON CITY	75983	1592	1880	272	362	3	28	54	11	57	1	17	4	34	–	153	236	633
EAST DISTRICTS.																		
14. SHOREDITCH	127164	5098	3284	850	722	1	94	179	1	174	6	30	10	118	8	95	194	549
15. BETHNAL GREEN	120104	5192	3094	850	547	2	92	127	9	177	8	26	18	118	12	101	316	404
16. WHITECHAPEL	76573	2660	2470	500	430	4	40	37	17	62	1	18	11	91	4	220	348	1069
17. ST. GEO.-IN-THE-EAST	48052	1822	1176	351	216	1	8	32	5	78	7	7	4	74	2	32	92	238
18. STEPNEY	57690	2167	1341	428	194	–	23	51	1	83	6	9	7	81	3	67	139	51
19. MILE END OLD TOWN	93152	4000	2127	599	448	–	27	107	16	106	4	18	10	101	7	46	148	178
20. POPLAR	116376	5500	3395	870	658	–	35	117	7	114	7	28	20	131	1	146	266	726
SOUTH DISTRICTS.																		
21. ST. SAVIOUR SOUTHWARK	175049	7087	4679	1281	851	2	144	243	33	248	5	48	38	210	10	81	158	563
22. ST. OLAVE SOUTHWARK	122398	5254	3806	827	596	1	120	202	39	150	1	24	8	132	4	224	287	821
23. LAMBETH	208342	8483	5617	1384	1085	25	82	360	46	272	11	84	27	221	3	186	261	988
24. WANDSWORTH	125060	5529	3096	872	624	3	27	133	29	106	6	24	10	125	2	70	137	290
25. CAMBERWELL	111306	4792	2999	737	685	2	71	181	15	129	3	29	18	98	5	78	101	353
26. GREENWICH	100600	4145	2534	631	545	6	24	171	16	63	4	35	9	126	2	95	152	330
27. LEWISHAM	51557	1849	955	246	242	–	6	9	16	15	–	17	1	49	–	22	33	44
28. WOOLWICH	73380	2679	1500	329	340	–	13	41	38	27	3	19	9	41	2	53	90	235

TABLE **16** (*continued*). LONDON.—TOTAL **Births** and **Deaths**; DEATHS of CHILDREN under 1 Year of Age FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, CHOLERA, and VIOLENCE; also DEATHS in PUBLI

REGISTRARS' SUB-DISTRICTS.	Enumerated **Population**, 1871.	Total BIRTHS in 52 Weeks.	Total DEATHS in 52 Weeks.	The DEATHS registered in the 52 Weeks include													
				Deaths of		Deaths from											Deaths in Public Institutions.*
				Children under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus Fever.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhœa.	Cholera.	Violence.	Inquest Cases.	
WEST DISTRICTS.																	
St. Mary Paddington *WH*	58728	2173	1371	338	333	-	8	77	6	49	1	10	4	62	2	37	91	16
St. John Paddington *H*	38085	748	621	78	168	2	2	31	3	16	1	13	2	12	-	54	69	13
Kensington Town *W*	91645	3637	2113	571	510	1	12	58	15	87	2	12	4	95	3	36	129	19
Brompton *H*	28654	841	673	115	132	-	11	25	8	20	-	9	2	12	2	17	35	14
St. Peter Hammersmith	6662	213	143	41	39	-	6	6	1	7	-	-	1	9	-	3	12	-
St. Paul Hammersmith *H*	36029	1653	993	269	189	-	38	83	5	36	4	17	1	50	4	34	74	4
Fulham *W*	23350	1169	726	204	158	1	6	48	3	33	2	4	3	36	3	17	40	9
Chelsea South *HH*	26420	899	701	161	162	1	28	40	6	27	-	12	2	24	-	15	51	2
Chelsea North-west *WHHH*	22926	880	780	183	196	-	19	32	1	18	-	13	-	14	-	16	51	25
Chelsea North-east	21392	748	444	132	91	-	14	12	8	18	2	5	1	17	-	8	31	-
Hanover Square *H*	18698	375	264	61	63	-	-	4	4	9	-	2	-	9	1	12	18	
Mayfair *WW*	13358	219	238	22	120	-	-	1	1	1	-	2	-	6	-	2	5	11
Belgrave *HH*	57972	1597	1365	262	286	-	30	35	11	32	3	27	3	45	1	70	89	38
St. John Westminster *HH*	38478	1289	893	245	131	-	32	75	5	36	-	14	5	35	1	19	58	2
St. Margt. Westmr. *WWH*	27781	745	971	181	237	-	23	39	2	15	4	5	1	21	-	43	80	40
St. James's Square	10472	159	126	31	36	-	-	3	1	6	-	1	1	-	-	1	4	-
Golden Square *WH*	12860	354	374	53	127	1	3	10	2	12	-	2	-	15	-	5	17	14
Berwick Street *H*	10287	320	185	57	32	1	1	2	1	16	-	2	-	8	-	6	8	-
St. Anne Soho *HHHHH*	17562	570	390	95	57	-	2	9	3	23	-	-	5	15	-	10	18	3
NORTH DISTRICTS.																		
AllSouls (Marylebone) *HHHH*	28579	821	832	111	142	1	9	31	11	21	-	7	2	22	-	49	78	34
Cavendish Square *HH*	15425	264	202	39	59	-	1	16	1	11	-	1	2	2	-	6	17	
Rectory (Marylebone) *WH*	26384	813	1036	143	376	-	3	37	-	22	1	-	6	41	1	18	52	53
St. Mary (Marylebone) *HHH*	21786	967	424	118	93	-	7	17	2	18	-	3	-	24	1	13	28	3
Christchurch (Marylebone) *H*	33944	1101	832	245	147	1	15	49	2	34	-	6	2	52	1	21	59	
St. John (Marylebone) *H*	33136	927	641	150	153	2	9	29	2	25	-	7	1	25	1	24	52	
Hampstead *WHHL*	32281	956	648	135	183	-	2	2	17	12	-	5	-	29	-	12	27	14
Regent's Park *H*	38200	1311	720	191	149	1	23	31	11	38	-	2	1	30	-	21	57	
Tottenham Court *wHHH*	29370	819	851	149	170	1	6	21	6	26	-	4	3	19	-	54	79	30
Gray's Inn Lane *HH*	29221	929	686	163	139	-	12	24	4	37	2	4	2	25	-	52	90	11
Somers Town	38533	1319	807	231	157	-	9	46	9	57	3	5	3	37	1	26	61	-
Camden Town *W*	17943	790	632	148	245	-	7	16	5	18	-	-	3	10	-	43	91	33
Kentish Town *w*	68198	2842	1720	384	372	-	25	54	20	76	-	14	4	52	4	47	101	33
Islington West *HHH*	97820	4127	2037	595	331	4	37	133	12	97	3	29	3	99	2	53	131	10
Islington East *WwwH*	115958	4916	2781	719	672	2	41	130	18	78	5	16	12	126	4	53	135	33
Stoke Newington *H*	9841	521	280	76	79	2	2	2	-	9	1	2	1	17	1	7	10	
Stamford Hill	6598	234	115	23	27	-	4	2	1	5	-	5	-	4	-	19	22	-
West Hackney	28069	1148	609	158	136	-	7	8	4	29	1	9	2	26	1	13	29	-
Hackney *WwwHL*	50104	1825	1443	276	346	-	21	114	9	41	11	60	2	52	1	35	77	46
South Hackney	30339	1237	674	186	121	1	31	27	4	33	3	12	3	24	4	8	23	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury	17853	444	312	97	78	-	2	12	1	10	-	3	1	17	1	7	15	-
St. Giles South *WH*	19109	803	546	126	138	1	6	16	-	19	-	1	1	28	-	12	61	15
St. Giles North	16594	462	341	95	56	-	7	15	-	21	-	4	2	11	-	6	21	-
Long Acre	11379	326	223	52	39	-	1	8	1	11	1	2	1	10	1	2	13	-
Charing Cross *HH*	9859	151	281	28	51	-	1	5	1	2	1	2	-	8	-	28	43	14
St. Mary-le-Strand	9378	220	153	38	19	-	3	5	-	2	-	4	1	5	-	3	14	-
St. Clement Danes *H*	10723	245	428	62	56	-	2	11	2	2	-	3	3	10	-	30	37	21
St. Geo. the Martyr *HHHHH*	20521	563	496	92	74	-	-	23	5	17	-	7	2	9	-	11	18	10
St. Andrew Eastern *W*	13529	348	597	102	125	-	4	7	1	11	1	5	-	21	-	18	32	32
Saffron Hill *H*	9066	254	170	48	28	-	3	2	-	11	-	4	2	11	-	5	11	-
St. James Clerkenwell *W*	18917	770	503	155	81	1	14	22	4	32	-	5	3	16	-	17	38	8
Amwell	16884	663	394	102	61	-	7	30	2	21	-	8	1	21	-	11	55	-
Pentonville	13337	468	290	81	56	-	8	6	1	10	-	5	-	12	-	7	24	-
Goswell Street	16242	604	352	90	79	1	7	10	1	19	-	2	-	11	-	10	23	-
Old Street *H*	12161	459	247	78	34	-	9	9	1	14	-	4	-	14	1	6	12	
City Road *HHL*	18301	1119	427	130	49	-	7	25	1	23	1	7	4	15	-	12	33	4
Whitecross Street	13792	388	285	98	30	-	3	16	2	15	-	1	-	22	-	9	30	-
Finsbury	10741	279	174	52	20	-	3	6	-	3	2	1	-	6	-	10	16	-
St. Botolph *HH*	14540	461	305	74	63	-	6	11	-	15	-	7	1	9	-	11	23	2
Cripplegate	13638	350	251	66	54	2	9	8	-	12	-	2	1	11	-	2	6	-
St. Sepulchre *H*	7562	129	718	29	101	-	5	12	7	7	1	4	1	6	-	100	130	60
St. Bride *W*	11185	264	226	51	45	1	3	7	4	4	-	2	-	4	-	11	24	
Castle Baynard	4426	73	66	10	14	-	2	2	-	3	-	-	-	1	-	6	12	-
Christchurch	6270	76	45	9	11	-	1	4	-	3	-	1	-	-	-	-	4	-
Queenhithe	4753	78	71	8	28	-	1	2	-	2	-	-	-	1	-	11	17	-
Allhallows Barking	5764	72	77	10	12	-	1	4	-	2	-	1	-	-	-	8	11	-
Broad Street *H*	7845	89	121	15	34	-	-	4	-	9	-	-	1	2	-	4	9	

NOTE.—The letters placed against the names of the sub-districts denote that Public Institutions are situated therein, namely:—*W*—Workhouse *H*—Hospital; *L*—Lunatic asylum; *w*—Workhouse receiving inmates from Districts other than the one in which it is situated. The following are the Workhouse Establishments receiving inmates from Districts other than those in which they are situated, and indicated in the foregoing Table by *w*:—The Westminster Industrial School is situated at Battersea. The Holborn Union has a Workhouse Infirmary in Islington East, and a Workhouse in Hoxton New Town (Shoreditch) sub-districts. The Central London Sick Asylum District has Infirmaries in Tottenham Court and Kentish Town sub-districts of Pancras District. The City of London has a Workhouse situated in Islington East, one in Hackney, and a

nd of PERSONS aged 60 Years and upwards from ALL CAUSES; and DEATHS from SMALL-POX, MEASLES, SCARLET NSTITUTIONS; registered in each SUB-DISTRICT during the 52 Weeks ending Saturday, 1st January 1876.

REGISTRARS' SUB-DISTRICTS.	Enumerated Population, 1871.	Total Births in 52 Weeks.	Total Deaths in 52 Weeks.	The Deaths registered in the 52 Weeks include														
				Deaths of		Deaths from												
				Children under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus Fever.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhœa.	Cholera.	Violence.	Inquest Cases.	Deaths in Public Institutions.*
EAST DISTRICTS.																		
Holywell (Shoreditch)	12430	282	210	63	35	-	7	7	-	7	2	-	1	11	-	5	12	-
St. Leonard (Shoreditch) *HL*†	16545	622	391	101	56	-	14	30	-	29	1	2	1	10	-	10	23	47
Hoxton New Town *w*	27835	1152	796	203	265	-	13	59	-	28	-	7	1	33	3	17	44	202
Hoxton Old Town	26933	1127	605	164	105	-	16	31	-	43	1	8	2	19	4	15	40	-
Haggerston West *W*	24162	1107	847	205	211	-	26	27	1	39	2	7	3	32	-	25	40	276
Haggerston East *H*	19259	808	435	114	50	1	18	25	-	28	-	6	2	13	1	23	35	24
Hackney Road	29822	1327	675	209	73	2	39	42	2	52	5	8	3	31	5	14	67	-
Green (Bethnal Green) *WHL*†	42433	1909	1369	299	333	-	15	46	6	62	1	8	6	37	2	54	129	404
Church (Bethnal Green)	26577	1077	561	189	83	-	17	17	1	36	1	4	5	28	2	19	62	-
Town (Bethnal Green)	21272	879	489	153	58	-	21	22	-	27	1	6	4	22	3	14	58	-
Spitalfields	22499	728	389	130	55	3	11	6	2	11	-	6	5	24	-	15	46	-
Mile End New Town *W*	15550	679	634	127	188	-	10	8	1	17	1	3	2	25	3	22	56	359
Whitechapel North	11597	385	196	67	29	-	8	6	3	8	-	-	2	8	1	7	20	-
Whitechapel Church *H*	7322	273	838	46	100	1	1	4	9	7	-	5	1	11	-	157	179	710
Goodman's Fields	10381	382	192	69	31	-	6	5	2	8	-	3	-	14	-	5	11	-
Aldgate	9224	213	221	61	27	-	4	8	-	11	-	1	1	9	-	14	36	-
St. Mary (St. Geo.-in-the-East)	17900	712	380	151	42	1	2	18	-	28	1	4	2	31	2	10	35	-
St. Paul (St. Geo.-in-the-East)	21350	792	399	142	55	-	3	9	2	28	2	-	2	27	-	10	32	-
St. John (St. Geo.-in-the-East) *W*	8802	318	397	58	119	-	3	5	3	22	4	3	-	16	-	12	25	238
Shadwell	11640	345	243	73	40	-	2	5	1	13	-	1	-	13	-	21	44	-
Ratcliff *H*	16131	571	382	139	53	-	4	12	-	21	2	5	2	25	1	19	33	50
Limehouse *W*	29919	1251	716	216	101	-	17	34	-	49	4	3	5	43	2	27	62	1
Mile End Old Town Western	38128	1569	735	235	136	-	6	33	3	43	1	5	5	45	3	8	36	-
Mile End Old Town Eastn. *WwwH*	55024	2431	1392	364	312	-	21	74	13	63	3	13	5	56	4	38	112	178
Bow *wwwHL*†	67765	3400	2277	548	504	-	16	70	5	61	4	18	15	81	1	84	134	702
Poplar *WW*	48611	2100	1118	322	154	-	19	47	2	53	3	10	5	50	-	62	132	26
SOUTH DISTRICTS.																		
Christchurch Southwark *WH*	14573	538	423	101	136	1	14	24	1	14	-	6	1	16	1	15	27	93
St. Saviour Southwark *H*	15677	496	389	107	49	-	29	27	10	8	-	3	2	23	2	10	12	-
Kent Road	20421	762	479	154	58	-	18	31	6	31	2	3	3	24	1	10	17	-
Borough Road *WH*	16695	621	447	129	53	-	24	28	3	26	-	5	1	27	-	12	35	62
London Road *HL*	18961	770	490	154	65	1	16	17	3	27	-	5	3	25	-	10	36	24
Trinity Newington	23682	905	513	158	74	-	14	41	-	36	1	6	6	19	2	9	14	-
St. Peter Walworth *W*	48248	2315	1544	365	335	-	20	51	8	81	2	18	17	59	3	10	16	384
St. Mary Newington	16792	680	394	113	81	-	9	24	2	25	-	2	5	17	1	5	11	-
St. Olave Southwark *H*	4373	111	648	27	66	1	3	3	3	1	-	5	-	6	-	131	137	563
St. John Horsleydown *W*	10500	366	335	73	62	-	8	6	-	9	-	2	-	23	-	12	21	104
Leather Market	16787	644	431	113	47	-	28	22	2	26	-	3	3	15	1	7	18	-
St. Mary Magdalen *W*	15709	603	490	93	165	-	17	14	-	20	-	3	-	11	-	7	18	136
St. James Bermondsey	47933	2341	1169	338	158	-	56	94	14	65	1	7	4	47	-	27	45	-
Rotherhithe *W*	27096	1189	733	183	98	-	8	63	20	29	-	4	1	30	3	40	48	18
Waterloo Road First *H*	14074	647	414	124	42	-	24	34	1	33	2	-	1	27	-	13	29	12
Waterloo Road Second *H*	18465	864	450	145	60	-	7	17	2	32	-	3	2	21	1	19	32	15
Lambeth Church First *H*	19492	748	826	140	110	1	8	39	3	37	-	14	5	23	1	94	97	398
Lambeth Church Second *WW*	35833	1721	1247	315	310	-	17	70	3	59	-	6	5	53	-	17	34	389
Kennington First	41286	1481	920	223	192	1	11	62	20	37	-	13	10	37	-	16	23	-
Kennington Second	31221	1090	607	172	142	2	10	13	6	36	1	3	1	23	1	9	14	-
Brixton *w*	35435	1433	913	201	170	21	4	117	10	29	8	43	2	28	-	13	26	168
Norwood *W*	12536	499	240	64	59	-	1	8	1	9	-	2	1	9	-	5	6	6
Clapham *H*	27347	965	548	152	133	2	3	22	6	17	1	-	1	21	1	11	18	1
Battersea *Ww*	54016	3070	1724	517	268	-	20	102	14	61	5	20	5	72	1	41	72	176
Wandsworth *HL*	19783	673	420	91	99	1	2	5	2	14	-	3	2	17	-	9	31	113
Putney	9439	292	167	52	45	-	-	-	4	9	-	-	1	7	-	3	4	-
Streatham	14475	529	237	60	79	-	2	4	3	5	-	1	1	8	-	6	12	-
Dulwich	4041	81	53	7	22	-	-	1	-	-	-	1	1	1	-	3	3	-
Camberwell *WL*†*L*†	31254	1271	979	170	297	1	26	22	6	31	1	9	3	17	3	21	29	347
Peckham *W*	42160	1963	1092	314	228	1	18	80	4	55	1	9	4	50	1	37	45	6
St. George (Camberwell)	33851	1477	875	246	138	-	27	78	5	43	1	10	10	30	1	17	24	-
St. Paul Deptford	53714	2389	1263	368	209	2	8	132	11	35	3	18	4	77	1	34	64	-
St. Nicholas Deptford	6474	268	163	39	25	3	1	22	1	3	1	3	-	7	-	10	18	-
Greenwich West	21034	746	451	123	114	-	9	15	3	17	-	5	2	19	-	20	30	-
Greenwich East *WH*	19378	742	657	101	197	1	6	2	1	8	-	9	3	23	1	31	40	330
Eltham *H*	4539	152	83	17	26	-	-	-	6	1	-	-	-	3	-	3	4	-
Lee	16440	492	250	52	68	-	1	5	6	3	-	3	1	11	-	5	8	-
Lewisham Village *WH*	11513	505	301	70	88	-	1	2	3	5	-	5	-	13	-	5	9	42
Sydenham *H*	19065	700	321	107	60	-	4	2	1	6	-	9	-	22	-	9	12	2
Charlton *H*	9564	279	234	28	50	-	3	4	22	3	-	4	1	3	-	9	11	93
Woolwich Dockyard	17226	605	316	90	62	-	4	7	7	7	1	3	5	13	1	20	28	-
Woolwich Arsenal *WHH*	18331	646	365	94	65	-	3	9	4	9	1	6	2	12	-	20	30	18
Plumstead West	13027	505	221	51	56	-	2	7	3	3	-	1	1	4	1	3	11	-
Plumstead East *W*	15232	644	364	66	107	-	1	14	2	5	1	5	-	9	-	1	10	124

third situated partly in Mile End Old Town Eastern and partly in Bow sub districts. The Whitechapel Union has a Workhouse Establishment for Children situated in Mile End Old Town Eastern sub-district. The Stepney Union has a Workhouse situated in Bow sub-district. The Poplar and Stepney Sick Asylum is situated in Bow sub-district. The Metropolitan Asylums Board has a Small-pox and a Fever Hospital at Homerton in Hackney sub-district, and similar institutions at Stockwell in Brixton sub-district. See also Table 17, pp. xxiv, xxv.

* The deaths in Prisons and Military Asylums are not included in this column. † Private Lunatic Asylums in which paupers are received.

TABLE **17.—Deaths** in 166 **Public Institutions,** registered

	DEATHS.		
	Total.	Males.	Females.
TOTAL DEATHS IN 166 PUBLIC INSTITUTIONS	13946	8076	5870
54 WORKHOUSES	8015	4343	3672
12 PRISONS	77	57	20
2 MILITARY ASYLUMS	96	96	-
38 GENERAL HOSPITALS	4420	2770	1650
37 HOSPITALS FOR SPECIAL DISEASES	436	236	200
5 LYING-IN HOSPITALS — *Women*	20	-	20
5 LYING-IN HOSPITALS — *Children*	49	25	24
5 MILITARY AND NAVAL HOSPITALS	238	209	29
3 HOSPITALS FOR FOREIGNERS	122	90	32
10 LUNATIC ASYLUMS	473	250	223

PUBLIC INSTITUTIONS.	SUB-DISTRICT in which the Public Institution is situated.	Total.	Males.	Females.
WORKHOUSES.				
Paddington	1; 1. St. Mary Paddington	166	82	84
Kensington	1; 3. Kensington Town	195	100	95
Fulham	1*a*; 3. Fulham	93	55	38
Chelsea	2; 2. Chelsea North-west	202	109	93
St. George's (Little Chelsea)	3; 2. Mayfair	54	20	34
Ditto (Mount-street)	3; 2. Mayfair	61	37	24
Ditto (Earl's Court Kensington)	3; 5. St. Margaret Westmr.	172	115	57
Ditto (York-street)	3; 5. St. Margaret Westmr.	66	38	28
Westminster	4; 2. Golden Square	138	68	70
Marylebone (Workhouse and Infirmary)	5; 3. Rectory (Maryleb.)	516	293	223
Hampstead	6; 1. Hampstead	47	24	23
Central London Sick Asylum	7; 2. *Tottenham-court*	81	39	42
Pancras	7; 5. Camden Town	332	175	157
Highgate Infirmary (Central London Sick Asylum)	7; 6. *Kentish Town*	337	200	137
City of London	8; 2. *Islington East*	52	21	31
Islington (Upper Holloway)	8; 2. Islington East	263	129	134
Holborn Infirmary (College House)	8; 2. *Islington East*	11	-	11
Hackney	9; 4. Hackney	152	69	83
City of London	9; 4. *Hackney*	21	14	7
Small-pox and Fever Hospital (Homerton)	9; 4. *Hackney*	165	75	90
St. Giles	10; 2. St. Giles South	155	90	65
Holborn (Gray's Inn)	12; 2. St. Andrew Eastern	328	179	149
Ditto (Clerkenwell)	12; 4. St. James Clerknwll.	84	48	36
City of London	13; 4. St. Bride	8	5	3
Holborn (St. Luke's)	14; 3. *Hoxton New Town*	202	99	103
Shoreditch	14; 5. Haggerston West	276	145	131
Bethnal Green	15; 2. Green	310	191	119
Whitechapel	16; 3. Mile End New Town	359	227	132
St. George-in-the-East	17; 3. St. John	238	127	111
Stepney (*for Children*)	18; 3. Limehouse	1	1	-
Mile End Old Town	19; 2. Mile End Old Town Eastern	160	66	94
City of London (part of)	19; 2. *Mile End Old Town Eastern*	16	-	16
	20; 1. *Bow*	203	113	90
Poplar and Stepney Sick Asylum	20; 1. *Bow*	409	241	168
Stepney (Aged and Infirm)	20; 1. *Bow*	16	8	8
Poplar	20; 2. Poplar	26	13	13
North Street Infirmary	20; 2. Poplar	-	-	-
St. Saviour's (Christchurch)	21; 1. Christch., Southwrk.	93	85	8
Ditto (St. George's)	21; 4. Borough Road	19	8	11
Ditto (Newington)	21; 7. St. Peter Walworth	384	175	209
St. Olave's	22; 2. St. John Horsleydn.	104	65	39
Ditto (Bermondsey)	22; 4. St. Mary Magdalen	136	70	66
Ditto (Rotherhithe)	22; 6. Rotherhithe	18	11	7
Lambeth (Prince's-road Infirmary)	23; 4. Lambeth Church 2d	380	192	188
Ditto (Lower Kennington Lane)	23; 4. Lambeth Church 2d	9	5	4
Small-pox and Fever Hospital (Stockwell)	23; 7. *Brixton*	168	98	70
Lambeth (*for Children*)	23; 8. Norwood	6	4	2
Wandsworth and Clapham	24; 2. Battersea	175	107	68
Westminster Union Industrial School	24; 2. *Battersea*	1	-	1
Camberwell (Havil St.)	25; 2. Camberwell	210	100	110
Ditto (Nazareth House)	25; 3. Peckham	6	6	-
Greenwich	26; 4. Greenwich East	226	114	112
Lewisham	27; 3. Lewisham Village	41	20	21
Woolwich	28; 5. Plumstead East	124	67	57
PRISONS.*				
Female Convict Prison	1; 7. Fulham	3	-	3
Millbank Penitentiary	3; 4. St. John Westmr.	13	10	3
House of Correction	3; 5. St. Margaret Westmr.	10	-	10
Pentonville, Model Prison (*Males*)	8; 1. Islington West	6	6	-
City Prison (*Holloway*)	8; 1. Islington West	5	4	1
Middlesex House of Detention	12; 4. St. James Clerknwll.	3	3	-
Middlesex House of Correction (*Males*)	12; 5. Amwell (Holborn)	19	19	-
City Prison (*Newgate*)	13; 3. St. Sepulchre	4	4	-
Convict Prison, Southwark	21; 4. Borough Road		-	-
County Prison	21; 6. Trinity Newington	-	-	-
Convict Prison (*Males*)	23; 7. Brixton	7	7	-
County Prison	24; 3. Wandsworth	7	4	3
MILITARY ASYLUMS.				
Royal Military Hospital Chelsea, *In-Pensioners*	2; 1. Chelsea South	93	93	-
Royal Military Asylum, Chelsea, *Boys*	2; 1. Chelsea South	3	3	-
GENERAL HOSPITALS.				
St. Mary's	1; 2. St. John Paddington	132	92	40
West London	1; 6. St. Paul Hammersm.	45	30	15
Victoria (*Children*)	2; 1. Chelsea South	23	14	9
St. George's	3; 3. Belgrave	380	229	151
Belgrave (*Children*)	3; 3. Belgrave	5	2	3
Westminster	3; 5. St. Margaret Westm.	165	105	60
Middlesex	5; 1. All Souls (Maryleb.)	333	182	151
St. Agnes' Home	5; 1. All Souls (Maryleb.)	1	-	1
Ladies' Hospital	5; 2. Cavendish Square	5	-	5

NOTE.—The Workhouse Establishments printed in *italics* receive inmates from other Districts than those in which they are situated.

* PRISONS.—The deaths of the children of prisoners are not included.

n the 52 Weeks ending Saturday, 1st January 1876.

PUBLIC INSTITUTIONS.	SUB-DISTRICT in which the Public Institution is situated.	DEATHS. Total.	Males.	Females.
GENERAL HOSPITALS—*continued.*				
Surgical & Medical Home	5; 2. Cavendish Square	2	–	2
Samaritan Free	5; 3. Rectory (Maryleb.)	17	–	17
St. Peter's Home (Kilburn)	6; 1. Hampstead	26	–	26
University College	7; 2. Tottenham Court	217	131	86
London Temperance Hosp.	7; 2. Tottenham Court	5	3	2
Royal Free	7; 3. Gray's Inn Lane	111	79	32
Great Northern	8; 1. Islington West	24	18	6
Invalid Asylum	9; 1. Stoke Newington	2	–	2
Home for Incurables (Brooke Road)	9; 4. Hackney	1	–	1
Charing Cross	11; 2. Charing Cross	148	93	55
King's College	11; 4. St. Clement Danes	211	140	71
London Homœopathic	12; 1. St. George the Martyr	12	4	8
St. John and St. Elizabeth	12; 1. St. George the Martyr	16	1	15
Hospital for Sick Children	12; 1. St. George the Martyr	56	30	26
City Police	13; 1. St. Botolph	1	1	–
Metropolitan Free	13; 1. St. Botolph	21	16	5
St. Bartholomew's	13; 3. St. Sepulchre	602	380	222
Convent Hospital	14; 2. St. Leonard Shoreditch	5	4	1
Children's	14; 6. Haggerston East	24	11	13
London	16; 5. Whitechapel Church	710	483	227
East London Children's	18; 2. Ratcliff	50	26	24
Poplar	20; 1. Bow	36	36	–
Guy's (part of)	21; 2. St. Saviour	–	–	–
	22; 1. St. Olave	563	378	185
Evelina (*Children*)	21; 4. Borough Road	43	20	23
Royal Infirmary for Children and Women	23; 1. Waterloo 1st	12	6	6
St. Thomas's	23; 3. Lambeth Church 1st	398	249	149
British Home for Incurables	24; 1. Clapham	1	–	1
Royal Hospital for Incurables	24; 3. Wandsworth	15	6	9
Home for Sick Children	27; 4. Sydenham	2	1	1
HOSPITALS FOR SPECIAL DISEASES.				
Lock (for Syphilis), *Females*	1; 1. St. Mary Paddington	3	2	1
Consumptn. & Dis. of Chest	1; 4. Brompton	143	88	55
Chelsea Home (Consump.)	2; 1. Chelsea South	1	1	–
Cancer	2; 2. Chelsea North-west	46	12	34
For Women	2; 2. Chelsea North-west	–	–	–
Consump. (South branch)	2; 2. Chelsea North-west	3	3	–
Royal Orthopœdic	3; 1. St. Geo. Hanov. Sq.	2	–	2
New Hospital for Women (Vincent Square)	3; 4. St. John Westmin.	1	–	1
For Dis. of the Throat	4; 2. Golden Square	10	7	3
For Women	4; 4. St. Anne Soho	12	–	12
Lock (for Syphilis), *Males*	4; 4. St. Anne Soho	–	–	–
Dis. of the Heart	4; 4. St. Anne Soho	4	2	2
St. John's (for Skin Dis.)	4; 4. St. Anne Soho	–	–	–
St. Peter's (for Stone)	5; 1. All Souls (Maryleb.)	4	4	–
National Orthopœdic (Bolsover Street)	5; 1. All Souls (Maryleb.)	2	–	2
Dis. of the Heart	5; 1. All Souls (Maryleb.)	–	–	–
Home for Consumptive Females	5; 4. St. Mary (Maryleb.)	4	–	4
Western Ophthalmic	5; 4. St. Mary (Maryleb.)	–	–	–
New Hospital for Women	5; 5. Christch. (Maryleb.)	4	–	4
For Nervous Diseases	5; 6. St. John (Maryleb.)	3	2	1

PUBLIC INSTITUTIONS.	SUB-DISTRICT in which the Public Institution is situated.	DEATHS. Total.	Males.	Females.
HOSPITALS FOR SPECIAL DISEASES—*continued.*				
North London Consumption	6; 1. Hampstead	14	9	5
St. Saviour's (Cancer)	7; 1. Regent's Park	7	–	7
All Saints Instn. (Women)	7; 2. Tottenham Court	–	–	–
Central Lond. Ophthalmic	7; 3. Gray's Inn Lane	1	1	–
London Fever	8; 1. Islington West	74	36	38
Small-pox	8; 1. Islington West	2	–	2
Royal Westrn. Ophthalmic	11; 2. Charing Cross	–	–	–
Hip Diseases (Children)	12; 1. St. George the Martyr	6	5	1
National for Paralysed and Epileptic	12; 1. St. George the Martyr	10	7	3
City Orthopœdic	12; 3. Saffron Hill	–	–	–
St. Mark's (Fistula)	12; 8. Old Street	2	2	–
Royal for Dis. of Chest	12; 9. City Road	18	15	3
Royal Ophthalmic	13; 9. Broad Street	1	1	–
City of London for Dis. of Chest	15; 2. Green	58	39	19
Dis. of Skin	21; 1. Christch. (Southwk.)	–	–	–
Royal South London Ophthalmic	21; 5. London Road	–	–	–
For Contagious Diseases (Hither Green)	27; 3. Lewisham	1	–	1
LYING-IN HOSPITALS.				
Queen Charlotte's	5; 4. St. Mary (Marylebone) Women	9	–	9
	Children	19	8	11
St. Saviour's	8; 2. Islington East Women	–	–	–
	Children	9	6	3
British	10; 2. St. Giles South Women	1	–	1
	Children	2	1	1
City of London	12; 9. City Road Women	4	–	4
	Children	10	4	6
General (York Road)	23; 2. Waterloo 2d Women	6	–	6
	Children	9	6	3
MILITARY AND NAVAL HOSPITALS.				
Guards'	3; 4. St. John Westminster	23	23	–
Seamen's	26; 4. Greenwich East	104	103	1
Herbert	27; 1. Eltham	–	–	–
	28; 1. Charlton	93	76	17
Garrison Female	28; 3. Woolwich Arsenal	17	6	11
Arsenal Infirmary	28; 3. Woolwich Arsenal	1	1	–
HOSPITALS FOR FOREIGNERS.				
French	4; 4. St. Anne Soho	14	7	7
German	9; 4. Hackney	106	82	24
Spanish and Portuguese Jews'	19; 2. Mile End Old Town Eastern	2	1	1
LUNATIC ASYLUMS.*				
Metropolitan Asylum for Imbeciles	6; 1. Hampstead	62	32	30
Metropolitan Asylum for Imbecile Children	9; 4. Hackney	24	13	11
St. Luke's Hospital	12; 9. City Road	12	8	4
Hoxton House *	14; 2. St. Leonard	42	17	25
Bethnal House *	15; 2. Green	36	15	21
Grove Hall *	20; 1. Bow	38	37	1
Bethlehem Hospital	21; 5. London Road	24	15	9
Surrey County	24; 3. Wandsworth	98	49	49
Peckham House *	25; 2. Camberwell	66	35	31
Camberwell House *	25; 2. Camberwell	71	29	42

* Lunatic Asylums.—Private Lunatic Asylums are excluded from this list, except those in which *pauper* lunatics are received, which are marked with an asterisk.

TABLE **18.—Deaths** REGISTERED in the **Public Institutions** of **London,** 1865–1875.

	1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.
TOTAL DEATHS IN PUBLIC INSTITUTIONS	12116	13054	12002	12326	12298	12300	14665	12029	13101	13359	13946
WORKHOUSES	6715	7088	6829	6789	7068	6833	6675	6177	7416	7619	8015
PRISONS	99	95	90	75	83	78	76	57	62	70	77
MILITARY AND NAVAL ASYLUMS*	278	195	147	176	165	86	81	93	66	81	96
GENERAL HOSPITALS	3354	3813	3291	3714	3480	3614	3796	3863	4148	4310	4420
HOSPITALS FOR SPECIAL DISEASES	1002	1167	929	933	849	981	3320	1128	584	392	436
LYING-IN HOSPITALS - Women	26	22	31	15	13	31	16	16	29	18	20
LYING-IN HOSPITALS - Children	42	50	51	46	41	40	37	60	56	62	49
MILITARY AND NAVAL HOSPITALS	176	146	177	163	170	200	218	195	207	206	238
HOSPITALS FOR FOREIGNERS	71	96	100	79	93	102	99	94	128	115	122
LUNATIC ASYLUMS	353	382	357	336	336	335	347	346	405	486	473

* Previous to the year 1870, the Royal Naval Hospital at Greenwich was classed with the "Military and Naval Asylums"; since that year no In-pensioners have been received here.

TABLE **19.—Deaths** in **London;** and **Meteorology** at **Greenwich Observatory.** (*a*)

YEARS.	Total Number of Deaths.	Mean Temperature of Air.	Dryness of Atmosphere.*	Fall of Rain in Inches.	Mean Hourly † Amount of Horizontal Movement of the Air by Robinson's Anemometer.
Averages of 36 Years, 1840–1875.	63,913	° 49·3	° ‡5·6	24·1	Miles. §10·6
Averages of 10 Years, 1840–1849.	51,976	49·3	‖5·1	24·3	—
Averages of 10 Years, 1850–1859.	59,699	49·3	5·9	23·2	10·1
Averages of 10 Years, 1860–1869.	72,086	49·5	5·7	25·3	10·7
1840	46281	47·7	—	18·3	—
1841	45284	48·7	5·0	33·3	—
1842	45272	49·6	4·6	22·6	—
1843	48574	49·4	3·7	24·6	—
1844	50423	48·6	4·9	24·9	—
1845	48332	47·6	4·4	22·4	—
1846	49089	51·3	5·1	25·3	—
1847	60442	49·5	5·4	17·8	—
1848	57628	50·4	6·4	30·2	—
1849	68432	50·0	6·6	23·9	—
1850	48579	49·3	6·1	19·7	11·0
1851	55354	49·2	6·5	21·6	10·3
1852	54213	50·6	7·4	34·2	10·6
1853	61202	47·7	6·2	29·0	9·5
1854	73697	48·9	4·7	18·7	10·3
1855	61506	47·1	4·5	21·1	9·9
1856	56786	49·0	5·6	22·2	10·6
1857	60150	51·0	5·2	21·4	9·3
1858	63882	49·2	6·5	17·8	9·7
1859	61617	50·7	6·0	25·9	9·5
1860	61821	47·0	4·6	32·0	10·0
1861	65001	49·4	5·0	20·8	9·9
1862	66950	49·5	4·7	26·2	10·0
1863	72346	50·3	6·0	20·0	10·3
1864	77723	48·5	7·0	16·7	9·5
1865	73460	50·3	6·2	29·0	9·3
1866	80129	49·8	5·6	30·5	11·4
1867	70588	48·6	5·6	28·4	11·8
1868	74908	51·6	6·8	25·2	12·2
1869	77933	49·5	5·7	24·0	12·2
1870	77278	48·7	6·7	18·5	11·1
1871	80332	48·7	6·0	22·3	10·5
1872	70893	50·7	5·5	30·0	11·9
1873	76634	49·1	5·4	23·4	11·8
1874	76606	49·4	4·7	20·0	11·5
1875	81513	49·4	5·9	27·3	11·5

NOTE.—This Table does not include the deaths in Wandsworth and Clapham for the years 1840-3; nor the deaths in Hampstead and Lewisham for 1840-6.

(*a*) The deaths in this Table as well as the Meteorology are compiled from the Registrar General's Weekly Returns, which embrace 364 days, or for six years (1847, 1853, 1857, 1863, 1868, and 1873) 371 days; for this reason the figures differ from those which relate to complete years from 1st January to 31st December, published in Table 15, p. xx.

* The column headed "Dryness of Atmosphere" is the difference between the dew point temperature and air temperature. The dew point temperature, for any year, may be obtained by subtracting the number in the column, headed "dryness" from the mean temperature in the same period.

† For the years 1850-59 the results are only approximative, having been reduced to Robinson's anemometer from observations made with Whewell's.

‡ Average of 35 years. § Average of 26 years. ‖ Average of 9 years.

TABLE **20.—Temperature** at **Greenwich, Total Deaths,** and **Deaths** at **Seven groups of Ages** in **London,** in each Week of the Year 1875.

Week.	Week ending	Temperature. Mean.	Temperature. Highest Reading by Day.	Temperature. Lowest Reading by Night.	Ages at Death. All Ages.	Under 1 Year of Age.	1–5	5–20	20–40	40–60	60–80	80 and upwards.
	Population estimated to the middle of 1875 -				3,445,160	103,402	344,020	1,023,111	1,149,660	610,745	200,937	13,285
	Year (of 52 Weeks)	° 49·4	° 85·4	° 23·3	81,513	19,892	14,855	5,832	10,611	13,540	13,860	2,923
	March Quarter	40·1	57·4	23·3	23,367	5,047	3,711	1,426	3,056	4,250	4,810	1,067
	June „	53·9	83·3	27·8	18,838	4,309	3,403	1,402	2,711	3,218	3,142	653
	September „	60·7	85·4	42·5	18,469	5,752	3,473	1,426	2,258	2,675	2,393	492
	December „	42·9	68·8	23·3	20,839	4,784	4,268	1,578	2,586	3,397	3,515	711
	1875.											
1	January 9	43·1	51·5	36·9	2296	440	292	119	298	452	558	137
2	„ 16	46·0	51·5	36·5	1911	394	299	107	270	347	399	95
3	„ 23	44·7	53·7	29·9	1569	340	264	105	219	280	307	54
4	„ 30	43·2	51·9	34·4	1650	379	253	115	214	297	324	68
5	February 6	36·0	48·2	26·0	1552	351	263	99	216	275	281	67
6	„ 13	34·5	45·4	27·8	1726	399	256	106	226	296	362	81
7	„ 20	37·5	51·3	28·7	1801	385	276	104	226	351	376	83
8	„ 27	33·5	45·8	23·3	1854	407	295	111	249	341	379	72
9	March 6	33·9	48·7	25·5	1880	372	304	110	228	394	385	87
0	„ 13	43·5	57·4	30·3	1847	392	294	105	238	340	390	88
1	„ 20	37·0	50·0	28·1	1728	397	282	114	232	278	366	59
2	„ 27	42·7	56·5	29·1	1680	360	284	107	223	295	322	89
3	April 3	45·8	56·2	36·2	1873	431	349	124	217	304	361	87
4	„ 10	44·5	59·5	36·0	1759	377	332	122	222	274	355	77
5	„ 17	42·8	61·9	30·8	1675	345	306	105	254	292	297	76
6	„ 24	46·6	70·8	30·6	1600	356	302	108	174	293	308	59
7	May 1	52·1	71·5	27·8	1532	313	268	93	239	262	288	69
8	„ 8	54·6	70·0	43·4	1489	312	258	99	239	249	275	57
9	„ 15	59·3	81·9	42·2	1427	308	288	104	206	257	208	56
0	„ 22	53·9	70·3	39·6	1322	290	278	111	175	227	207	34
1	„ 29	54·1	71·8	42·3	1294	286	232	116	202	234	194	30
2	June 5	59·9	83·3	36·6	1323	298	225	123	197	232	201	47
3	„ 12	58·9	79·0	47·1	1335	297	235	96	193	240	234	40
4	„ 19	56·0	73·9	43·9	1321	347	229	103	202	221	183	36
5	„ 26	58·6	78·0	44·5	1413	395	220	125	217	227	196	33
6	July 3	59·7	74·3	43·7	1348	385	230	97	191	210	196	39
7	„ 10	58·5	76·5	45·6	1400	480	213	97	163	215	191	41
8	„ 17	56·2	66·5	42·5	1481	478	285	125	178	185	195	35
9	„ 24	60·2	77·4	52·2	1471	458	267	115	165	239	187	40
0	„ 31	60·8	77·5	44·4	1422	428	252	106	187	219	190	40
1	August 7	59·8	78·2	43·6	1340	398	230	128	145	207	193	39
2	„ 14	65·2	78·9	57·5	1483	449	297	99	186	221	197	34
3	„ 21	66·6	85·4	53·8	1453	453	270	98	200	201	201	30
4	„ 28	62·2	75·8	49·1	1440	451	265	103	189	198	191	43
5	September 4	60·0	74·9	44·6	1429	462	283	118	170	191	167	38
6	„ 11	60·8	79·9	47·7	1492	486	281	112	186	223	169	35
7	„ 18	63·2	81·0	47·8	1338	407	257	102	171	189	178	34
8	„ 25	60·1	80·0	51·5	1319	380	273	111	154	190	170	41
9	October 2	55·1	68·4	45·3	1401	422	300	112	164	197	164	42
0	„ 9	54·3	68·8	43·0	1397	361	293	121	173	220	195	34
1	„ 16	45·8	58·5	33·5	1442	399	272	120	179	228	208	36
2	„ 23	49·7	62·2	33·5	1563	394	303	142	198	246	230	50
3	„ 30	43·6	55·0	34·5	1477	317	328	119	203	233	235	42
4	November 6	48·2	58·5	37·7	1583	353	341	133	177	276	246	57
5	„ 13	43·0	57·0	30·3	1567	369	321	103	213	268	242	51
6	„ 20	45·8	58·4	33·5	1603	378	327	126	211	229	276	56
7	„ 27	36·0	45·6	29·3	1504	345	334	126	166	250	237	46
8	December 4	30·9	35·9	23·7	1628	375	339	107	212	266	269	60
9	„ 11	33·3	42·8	23·3	1856	370	371	142	242	296	354	81
0	„ 18	37·5	49·7	24·2	1834	380	363	110	226	320	356	79
1	„ 25	46·1	54·5	39·2	1603	337	333	106	171	259	339	58
2	(1876) Jan. 1	43·1	47·6	35·0	1782	406	343	123	215	306	328	61

TABLE **21.—Births** and **Deaths** Registered in **London**; and **Meteorology** at **Greenwich,** in each of the 52 Weeks of 1875.

No. of Week.	Week ending	Births. Total.	Births. Males.	Births. Females.	Deaths. Total.	Deaths. Males.*	Deaths. Females.	Mean Temperature of the Air.	Mean of the Highest Readings of the Thermometer.	Mean of the Lowest Readings of the Thermometer.	Dryness of Atmosphere.*	Fall of Rain in Inches.	Mean Hourly Amount Horizontal Movement of the Air each Week.
	1875.							°	°	°	°		Miles
1	January 9	2853	1451	1402	2296	1110	1186	43·1	46·9	39·6	3·1	0·12	10·0
2	„ 16	2481	1220	1261	1911	926	985	46·0	49·7	42·1	2·9	0·32	11·2
3	„ 23	2498	1314	1184	1569	799	770	44·7	49·7	39·4	4·9	0·77	21·6
4	„ 30	2567	1342	1225	1650	821	829	43·2	47·9	38·6	5·2	1·25	14·9
5	Feb. 6	2585	1307	1278	1552	729	823	36·0	42·5	30·0	3·8	0·04	6·8
6	„ 13	2488	1264	1224	1726	867	859	34·5	38·3	31·0	5·5	0·33	7·7
7	„ 20	2386	1247	1139	1801	921	880	37·5	43·1	33·2	4·2	0·25	12·1
8	„ 27	2348	1214	1134	1854	960	894	33·5	39·4	28·5	5·7	0·20	13·3
9	March 6	2530	1319	1211	1880	1001	879	33·9	38·6	29·9	4·4	0·21	13·4
10	„ 13	2509	1240	1269	1847	945	902	43·5	49·3	38·0	6·0	0·23	17·7
11	„ 20	2518	1282	1236	1728	920	808	37·0	44·4	31·2	5·6	0·10	10·3
12	„ 27	2364	1244	1120	1680	834	846	42·7	50·8	35·3	8·2	0·01	12·4
13	April 3	2493	1331	1162	1873	919	954	45·8	53·4	40·4	9·6	0·00	9·4
14	April 10	2367	1222	1145	1759	910	849	44·5	53·3	39·5	5·6	1·23	14·6
15	„ 17	2591	1303	1288	1675	871	804	42·8	53·5	34·7	6·0	0·00	8·4
16	„ 24	2254	1129	1125	1600	803	797	46·6	59·5	34·7	9·3	0·32	8·0
17	May 1	2449	1207	1242	1532	780	752	52·1	64·8	40·5	10·4	0·37	7·6
18	„ 8	2327	1153	1174	1489	746	743	54·6	64·8	46·6	5·4	0·57	9·5
19	„ 15	2346	1148	1198	1427	730	697	59·3	73·1	47·4	10·5	0·01	9·5
20	„ 22	1983	1047	936	1322	714	608	53·9	65·5	44·7	9·6	0·27	14·8
21	„ 29	2453	1300	1153	1294	682	612	54·1	65·6	45·1	9·3	0·24	11·5
22	June 5	2258	1128	1130	1323	686	637	59·9	75·0	46·6	13·7	0·00	12·0
23	„ 12	2186	1104	1082	1335	714	621	58·9	71·9	51·0	9·4	1·37	17·2
24	„ 19	2321	1204	1117	1321	667	654	56·0	67·4	48·3	7·4	0·43	13·9
25	„ 26	2370	1251	1119	1413	760	653	58·6	71·8	49·2	7·7	0·08	7·8
26	July 3	2115	1079	1036	1348	725	623	59·7	70·5	53·1	5·5	1·34	8·5
27	July 10	2330	1186	1144	1400	738	662	58·5	68·0	50·8	5·0	0·54	12·7
28	„ 17	2203	1081	1122	1481	825	656	56·2	63·8	50·0	3·9	3·27	13·8
29	„ 24	2330	1161	1169	1471	737	734	60·2	70·0	54·5	2·8	0·49	8·9
30	„ 31	2362	1203	1159	1422	778	644	60·8	73·6	48·9	9·8	0·04	7·8
31	August 7	2100	1086	1014	1340	701	639	59·8	72·5	50·7	5·4	1·25	9·3
32	„ 14	2395	1212	1183	1483	783	700	65·2	75·6	58·9	4·9	0·21	10·3
33	„ 21	2299	1155	1144	1453	770	683	66·6	78·0	56·6	7·8	0·39	8·3
34	„ 28	2302	1180	1122	1440	738	702	62·2	73·2	52·9	6·4	0·34	7·6
35	Sept. 4	2304	1175	1129	1429	755	674	60·0	70·7	50·8	5·4	0·23	11·2
36	„ 11	2288	1172	1116	1492	794	698	60·8	72·0	50·2	7·3	0·00	6·6
37	„ 18	2289	1158	1131	1338	685	653	63·2	74·9	54·0	8·8	0·18	10·6
38	„ 25	2127	1101	1026	1319	680	639	60·1	68·2	53·7	4·6	2·25	10·1
39	October 2	2368	1224	1144	1401	725	676	55·1	64·4	47·8	5·7	0·84	16·0
40	October 9	2246	1149	1097	1397	747	650	54·3	63·0	46·6	5·0	0·49	14·6
41	„ 16	2325	1217	1108	1442	791	651	45·8	54·7	37·7	5·2	0·48	10·3
42	„ 23	2222	1132	1090	1563	804	759	49·7	55·6	44·3	2·9	2·16	10·6
43	„ 30	2566	1312	1254	1477	758	719	43·6	49·1	39·0	4·9	0·25	9·1
44	Nov. 6	2374	1193	1181	1583	811	772	48·2	52·7	43·8	3·9	0·62	11·2
45	„ 13	2449	1251	1198	1567	782	785	43·0	50·2	36·6	3·9	1·92	14·3
46	„ 20	2462	1222	1240	1603	825	778	45·8	52·9	40·5	6·3	0·32	19·6
47	„ 27	2303	1192	1111	1504	763	741	36·0	40·2	32·3	3·4	0·01	10·9
48	Dec. 4	2072	1049	1023	1628	806	822	30·9	33·5	28·5	4·1	0·11	13·7
49	„ 11	2432	1235	1197	1856	960	896	33·3	36·9	28·8	3·3	0·31	11·3
50	„ 18	2539	1289	1250	1834	976	858	37·5	43·0	31·8	1·8	0·01	6·7
51	„ 25	2050	1042	1008	1603	797	806	46·1	51·1	41·6	4·3	0·35	20·8
52	(1876) Jan. 1	2494	1247	1247	1782	848	934	43·1	46·4	39·7	3·1	0·17	10·0

* The column headed "Dryness of Atmosphere" is the difference between the dew point temperature and air temperature. The mean dew point temperature, for any week, may be obtained by subtracting the number in the column headed "dryness" from the mean temperature in the same period. † By Robinson's Anemometer, adopted in place of Whewell's, which was used formerly.

TABLE **22.—Greenwich Meteorological Elements** for the Year 1875. By J. GLAISHER, Esq., F.R.S.

1875. Months.	Mean Reading of the Barometer.	Temperature of the Air. Highest by Day.	Lowest by Night.	Range in Month.	Mean of all Highest.	Mean of all Lowest.	Mean Daily Range.	Mean for the Month.	Departure from Average of 104 Years. (1771-1874.)	Mean Temperature of the Dew Point.	Mean Tension of Vapour.	Weight of Vapour in a Cubic Foot of Air.	Mean additional Weight required for Saturation.	Mean Degree of Humidity. Saturation = 100.	Mean Weight of a Cubic Foot of Air.	Relative Proportions of Wind. N.	E.	S.	W.	Mean Amount of Cloud.	Rain. Number of Days it fell.	Amount collected.
	in.	°	°	°	°	°	°	°	°	°	in.	grs.	grs.		grs.							in
January	29·760	53·7	18·2	35·5	47·8	38·8	9·0	43·4	+7·0	38·2	0·230	2·7	0·6	81	548	2	3	13	13	7·2	17	3
February	29·857	51·3	23·3	28·0	40·4	30·6	9·8	35·0	−3·6	30·3	0·168	2·0	0·4	82	559	7	10	6	5	8·2	12	0
March −	29·954	57·4	25·5	31·9	47·1	34·6	12·5	40·2	−0·9	33·8	0·194	2·3	0·6	78	555	8	10	4	9	7·5	6	0
April −	29·875	71·5	27·8	43·7	57·5	37·4	20·1	46·3	+0·2	38·2	0·232	2·7	0·9	74	547	6	12	5	7	5·2	8	1
May −	29·842	81·9	36·6	45·3	66·7	48·5	21·2	55·0	+2·5	46·2	0·312	3·5	1·3	73	532	6	4	9	12	5·3	11	1
June −	29·743	83·3	41·0	42·3	71·9	49·8	22·1	58·9	+0·7	49·5	0·354	4·0	1·6	71	537	2	4	10	14	6·2	11	2
July −	29·792	77·5	42·5	35·0	68·9	51·4	17·5	59·1	−2·5	53·5	0·412	4·7	0·9	83	531	8	6	6	11	6·4	17	5
August −	29·868	85·4	43·6	41·8	74·3	54·4	19·9	63·0	+2·2	57·1	0·460	5·1	1·3	81	528	5	5	11	10	5·5	11	2
September	29·867	81·0	44·6	36·4	70·6	51·7	18·9	60·0	+3·5	53·8	0·415	4·6	1·2	80	531	4	9	9	8	5·2	11	2
October −	29·608	68·8	33·5	35·3	55·8	42·1	13·7	48·5	−1·1	44·1	0·290	3·3	0·5	86	540	5	8	9	9	7·1	18	4
November	29·630	58·5	28·3	30·2	47·6	37·5	10·1	42·1	−0·2	37·7	0·227	2·6	0·5	86	547	9	6	7	8	7·6	16	2
December	29·937	54·5	23·3	31·2	42·7	34·5	8·2	38·7	−0·4	35·5	0·208	2·3	0·4	88	557	7	3	10	11	8·0	14	1
Means	29·811	68·7	32·3	36·4	57·6	42·4	15·2	49·2	+0·6	43·2	0·292	3·3	0·9	80	543	69	80	99	117	6·6	152	28
																	Sums.				Sum	Su

TABLE 23.—METEOROLOGICAL TABLE FOR LONDON, 1875.

(Deduced from Observations, at Greenwich, under the Superintendence of the Astronomer Royal, and compiled from Quarterly Tables, furnished to the Registrar General by James Glaisher, Esq., F.R.S.)

Winter . . Jan., Feb., March. Spring . . April, May, June. Summer . . July, Aug., Sept. Autumn . . Oct., Nov., Dec.	Temperature of Air. Mean.	Air. Diff. from Average of 104 Years.	Air. Diff. from Average of 34 Years.	Evaporation. Mean.	Evaporation. Diff. from Average of 34 Years.	Dew Point. Mean.	Dew Point. Diff. from Average of 34 Years.	Air—Daily Range. Mean.	Air—Daily Range. Diff. from Average of 34 Years.	Elastic Force of Vapour. Mean.	Elastic Force of Vapour. Diff. from Average of 34 Years.	Weight of Vapour in a Cubic Foot of Air. Mean.	Weight of Vapour in a Cubic Foot of Air. Diff. from Average of 34 Years.	Degree of Humidity. Mean (Sat^{n} = 100).	Degree of Humidity. Diff. from Average of 34 Years.	Reading of Barometer. Mean.	Reading of Barometer. Diff. from Average of 34 Years.	Weight of a Cubic Foot of Air. Mean.	Weight of a Cubic Foot of Air. Diff. from Average of 34 Years.	Rain. Amount.	Rain. Diff. from Average of 60 Years.	Reading of Thermometer on Grass. Number of Nights it was At or below 30°.	Between 30° and 40°.	Above 40°.	Lowest Reading at Night.	Highest Reading at Night.
1875.	°	°	°	°	°	°	°	°	°	in.	in.	grs.	gr.			in.	in.	grs.	grs.	in.	in.	Sums.			°	°
YEAR .	49·2	+0·6	−0·3	46·6	0·0	43·2	−0·5	15·2	−0·8	0·292	+0·002	3·3	−0·1	80	−1	29·811	+0·036	543	+1	28·2	+2·9	89	119	157	13·5	58·9
First Quarter .	39·5	+0·8	−0·3	38·6	+0·6	34·1	−1·4	10·4	−1·4	0·197	+0·013	2·5	−0·1	80	−2	29·858	+0·096	554	+2	4·4	−0·6	46	31	13	13·5	46·3
Second do. . .	53·4	+1·1	+0·4	49·0	−0·3	44·6	−0·9	21·1	+0·6	0·299	−0·010	3·4	−0·1	73	−4	29·820	+0·032	539	0	5·4	−0·4	15	36	40	20·8	55·9
Third do. . .	60·7	+1·1	+0·4	57·6	+1·2	54·8	+1·9	18·8	−1·0	0·429	+0·025	4·8	+0·3	81	+4	29·842	+0·042	530	0	10·3	+2·9	0	6	86	36·2	58·9
Fourth do. . .	43·1	−0·6	−1·5	41·3	−1·4	39·1	−1·7	10·7	−1·3	0·242	−0·019	2·7	−0·3	87	−1	29·725	−0·027	548	+2	8·1	+1·0	28	46	18	20·1	48·2

In this Table, + and − respectively signify that the numbers in the *preceding* column are *above* or *below* the average to the extent of the quantities to which these signs are prefixed.

TABLE **24.—Number of Houses, &c.** supplied by the several **London Water Companies** during each MONTH of the Year 1875; also the **Average Daily Supply of Water** in GALLONS by the several COMPANIES during each MONTH. (Compiled from Returns furnished by the several Companies during the Year.)

COMPANIES.	NUMBER OF HOUSES, &c. SUPPLIED IN											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Total Houses supplied -	515,292	515,552	516,154	517,208	517,489	518,127	519,223	519,569	520,099	521,077	521,337	521,566
FROM THAMES - - - - -	241,683	241,933	242,244	243,090	243,246	243,652	243,978	244,181	244,523	245,194	245,345	245,577
FROM LEA AND OTHER SOURCES - -	273,609	273,619	273,910	274,118	274,243	274,475	275,245	275,388	275,576	275,883	275,992	275,989
FROM THAMES.												
CHELSEA - - - - -	28,490	28,490	28,490	28,555	28,555	28,555	28,555	28,555	28,555	28,600	28,600	28,600
WEST MIDDLESEX - - - - -	46,440	46,480	46,615	46,738	46,738	46,899	47,039	47,090	47,209	47,330	47,330	47,400
SOUTHWARK AND VAUXHALL - -	79,888	79,914	79,960	79,984	80,026	80,102	80,146	80,188	80,230	80,270	80,295	80,300
GRAND JUNCTION - - - -	35,144	35,231	35,231	35,709	35,709	35,709	35,709	35,709	35,709	36,036	36,036	36,036
LAMBETH - - - - -	51,721	51,818	51,948	52,104	52,218	52,387	52,529	52,639	52,820	52,958	53,084	53,241
FROM LEA AND OTHER SOURCES.												
NEW RIVER - - - - -	122,890	122,900	122,999	123,137	123,193	123,280	123,493	123,522	123,628	123,862	123,888	123,915
EAST LONDON - - - - -	107,294	107,294	107,294	107,294	107,294	107,294	107,851	107,851	107,851	107,851	107,851	107,851
KENT - - - - - -	43,425	43,425	43,617	43,687	43,756	43,901	43,901	44,015	44,097	44,170	44,253	44,223

COMPANIES.	AVERAGE DAILY SUPPLY OF WATER IN GALLONS DURING THE MONTH OF											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Total Quantities supplied -	108,399,761	106,527,040	109,352,118	113,045,907	121,543,526	127,381,916	122,519,068	125,186,508	126,241,078	117,744,887	109,998,971	111,420,340
FROM THAMES - - - - -	54,212,319	53,830,825	55,692,098	57,057,411	61,836,477	65,403,955	63,556,418	64,463,954	63,704,524	60,015,458	55,823,860	56,423,469
FROM LEA AND OTHER SOURCES - -	54,187,442	52,696,215	53,660,020	55,988,496	59,707,049	61,977,961	58,762,650	60,722,554	62,536,554	57,729,429	54,175,111	54,996,871
FROM THAMES.												
CHELSEA - - - - -	7,097,600	7,225,400	7,092,400	7,278,900	8,004,500	8,356,200	8,134,300	8,242,600	7,920,500	7,327,600	6,911,700	6,744,600
WEST MIDDLESEX - - - - -	9,249,447	8,869,168	8,926,416	9,505,987	10,484,239	10,732,438	10,468,138	10,636,411	10,403,570	9,565,832	9,213,565	9,131,684
SOUTHWARK AND VAUXHALL - -	16,159,500	15,520,000	18,250,000	18,106,000	18,650,000	19,263,000	19,264,250	19,270,000	19,275,500	19,000,200	18,750,500	18,000,000
GRAND JUNCTION - - - -	9,828,572	10,440,157	9,957,182	10,460,424	11,632,738	12,524,217	12,017,830	12,125,143	11,838,854	11,015,726	8,580,495	10,186,185
LAMBETH - - - - -	11,877,200	11,776,100	11,466,100	11,706,100	13,065,000	14,528,100	13,671,900	14,189,800	14,266,100	13,106,100	12,367,600	12,361,000
FROM LEA AND OTHER SOURCES.												
NEW RIVER - - - - -	23,953,000	24,217,000	25,274,000	26,519,000	28,964,000	29,378,000	27,179,000	28,613,000	30,633,000	27,271,000	25,207,000	26,160,000
EAST LONDON - - - - -	23,322,800	21,967,800	21,990,000	22,770,500	23,644,000	24,964,675	24,754,950	24,789,000	25,040,000	23,953,500	22,697,500	22,515,000
KENT - - - - -	6,911,642	6,511,415	6,396,020	6,698,996	7,099,049	7,635,286	6,828,700	7,320,554	6,863,554	6,504,929	6,270,611	6,321,871

Note.—The quantities of water in the above Table include the supply for various purposes other than for domestic consumption.

TABLE **25.—Average Number of Houses, &c.** supplied by the several **London Water Companies** during the Year 1875; the **Average Daily Supply of Water** in GALLONS, and in CUBIC METRES* for ALL PURPOSES, in GALLONS for DOMESTIC PURPOSES, and the NUMBER of GALLONS supplied to each HOUSE. (Compiled from Returns furnished by the several Water Companies during the Year.)

WATER COMPANIES.	AVERAGE NUMBER of HOUSES supplied during the Year.	AVERAGE DAILY SUPPLY OF WATER DURING THE YEAR IN				
		Gallons.†	Cubic Metres.†	Gallons used for Domestic purposes (estimated).	Gallons used for Domestic purposes daily to each House.	
					1874.	1875.
Total - -	518,558	116,596,760	529,752	95,609,343	187	184
FROM THAMES - - - -	243,721	59,335,064	269,586	48,654,752	206	200
FROM LEA AND OTHER SOURCES - -	274,837	57,261,696	260,166	46,954,591	169	171
FROM THAMES.						
CHELSEA - - - - -	28,550	7,528,025	34,203	6,172,981	236	216
WEST MIDDLESEX - - -	46,942	9,765,575	44,369	8,007,772	170	171
SOUTHWARK AND VAUXHALL - -	80,109	18,292,412	83,111	14,999,777	190	187
GRAND JUNCTION - - -	35,664	10,883,960	49,451	8,924,847	267	250
LAMBETH - - - -	52,456	12,865,092	58,452	10,549,375	205	201
FROM LEA AND OTHER SOURCES.						
NEW RIVER - - - -	123,392	26,947,333	122,434	22,096,813	179	179
EAST LONDON - - - -	107,572	23,534,144	106,926	19,297,998	175	179
KENT - - - - -	43,873	6,780,219	30,806	5,559,780	129	127
Columns - -	1.	2.	3.	4.	5.	6.

Note.—According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that during the year 1866 about 82 per cent. of the total supply of water for all purposes was for domestic use; this proportion has been applied in estimating the quantities for the year 1875 in column 4., showing the gallons probably used for domestic purposes.

The average daily quantity of water supplied by the London Companies during the year 1875 was 116,596,760 gallons (529,752 cubic metres, equal to about as many *tuns* by measure, *tons* by weight), of which about 95,609,343 gallons (434,397 cubic metres) were probably used for domestic purposes. The quantity used daily for domestic purposes was 184·4 gallons (83·8 decalitres) to each house and 26·0 gallons (11·8 decalitres) to each person; in 1874 the average daily supply to each person for domestic purposes was 26·3 gallons. The supply for all purposes averaged 30·7 gallons per day in 1875, against 31·0 gallons in 1874. The returns of the water companies include uninhabited as well as inhabited houses.

* A cubic metre is equal in volume to 35·3 cubic feet, or to 220·09668 imperial gallons. It is nearly equivalent to the old English *tun* of four hogsheads, holding 35·248 cubic feet. It is in general use on the Continent; and its volume of water weighs a metric ton, differing inconsiderably in weight from the ton in common use. It is equal to 100 decalitres. One decalitre equals 2·2009668 gallons.

† The quantities of water in columns 2. and 3. include the supply for various purposes other than domestic consumption.

TABLE **26.** **Water** and **Gas Companies** by which the **Sub-districts of London Outer Ring** were wholly or partially supplied in 1875.

[The price at which **Gas** is supplied per 1000 cubic feet is also given.]

Registration District and Sub-district Numbers.	REGISTRATION SUB-DISTRICTS.	INFORMATION FURNISHED BY THE REGISTRARS AS TO WATER AND GAS SUPPLY.
29 : 1	Carshalton *W* - - -	*Water* supplied by Sutton and Cheam Co., Lambeth Co., and from springs. *Gas* by Sutton Co. at 5*s.* 6*d.*, Carshalton Co. at 5*s.* 6*d.*, Epsom Co., and Kingston-on-Thames Co. at 4*s.* 6*d.*
2	Epsom (*part of*) *WH* -	*Water* supplied by Epsom Local Board to the town, the rest of the sub-district from private wells, &c. *Gas* by Epsom and Ewell Co. to Epsom and Ewell at 5*s.* 10*d.*, to Worcester Park by Kingston Co. at 4*s.* 6*d.*
36 : 1	Godstone (*part of*) - -	*Water* supplied by Caterham Co. to a small part of the sub-district, the rest from wells, springs, tanks, ponds, or pools of water.
37 : 1	Croydon *WWH* - -	*Water* supplied by Croydon Local Board, Lambeth Co., and the Kenley Co. *Gas* by the Croydon Co. at 4*s.* 3*d.*, Crystal Palace Co. at 4*s.* 1*d.*, and Kenley and Caterham Co. at about 7*s.*
2	Mitcham *WH* - - -	*Water* supplied by Lambeth Co. and from pumps. *Gas* by Mitcham and Wimbledon Co. at 5*s.*
38 : 1	Wimbledon *HH* - -	*Water* supplied by Southwark Co. and Lambeth Co. *Gas* by Mitcham and Wimbledon Co. at 5*s.*
2	Kingston *WH* - - -	*Water* supplied by Lambeth Co. *Gas* by Kingston Co. at 4*s.* 6*d.*
3	Esher (*part of*) - - -	*Water* supplied by Lambeth Co. *Gas* by Kingston Co. at 4*s.* 6*d.*
4	Hampton - - - -	*Water* supplied by Grand Junction Co. *Gas* by Hampton Court Co. at 5*s.*
39 : 1	Richmond *WH* - - -	*Water* supplied by Southwark Co. *Gas* by Richmond Co. at 4*s.* 3*d.*
2	Mortlake - - - -	*Water* supplied by Southwark Co. *Gas* by Brentford Co. at 4*s.* 6*d.*
40 : 1	Bromley (*part of*) *HH* -	*Water* supplied by Kent Co. *Gas* by Bromley Co. at 4*s.* 6*d.*
2	Chislehurst (*part of*) *W* -	*Water* supplied to Foots Cray and Sidcup by Kent Co. *Gas* by St. Mary Cray Co. at 6*s.*
41 : 1	Bexley *H* - - - -	*Water* supplied by Kent Co. *Gas* by Kent Co. at 5*s.* 6*d.*
123 : 1	Sunbury *W* - - -	*Water* from wells and springs. *Gas* by Sunbury Co. at 8*s.*
2	Staines *W* - - - -	*Water* from wells on the several premises. *Gas* to Bedfont, Crawford, and Harlington by the Brentford Co. at 5*s.* 6*d.*; to Staines from the Staines and Egham Co. at 5*s.* 6*d.*
124 : 1	Hillingdon *WH* - -	*Water* supplied by Uxbridge Local Board to Uxbridge Moor, Hillingdon End, and Uxbridge Common; rest of sub-district from wells and canal. *Gas* by Uxbridge Co. at 6*s.* 9*d.*
2	Uxbridge - - - -	*Water* supplied to Uxbridge by Local Board. *Gas* to Uxbridge by Uxbridge and Hillingdon Co. at 5*s.* 3*d.*; beyond the limits of Local Board district, the charge is increased.
3	Hayes *WL* - - - -	No *Water* supplied by Co. *Gas* by Uxbridge and Hillingdon Co. at 6*s.* 3*d.*; by Brentford Co. at 5*s.* 6*d.*
125 : 1	Isleworth *W* - - -	*Water* supplied partially by Grand Junction Co.; rest from wells. *Gas* by Brentford Co. at 4*s.* 6*d.*
2	Twickenham - - - -	*Water* supplied by Grand Junction Co. *Gas* by Brentford Co. at 4*s.* 6*d.*
3	Brentford *HL* - - -	*Water* supplied by Grand Junction Co. *Gas* by Brentford Co. at 4*s.* 6*d.*
4	Chiswick - - - -	*Water* supplied by West Middlesex Co. *Gas* by Brentford Co. at 4*s.* 6*d.*
5	Acton *WH* - - - -	*Water* supplied by Grand Junction Co. *Gas* by Brentford Co. at 4*s.* 6*d.*

TABLE **26** (*continued*).—**Water** and **Gas Companies** by which the **Sub-districts of London Outer Ring** were wholly or partially supplied in 1875.

Registration District and Sub-district Numbers.	REGISTRATION SUB-DISTRICTS.	INFORMATION FURNISHED BY THE REGISTRARS AS TO WATER AND GAS SUPPLY.
126 : 1	Harrow *H*	*Water* supplied by Harrow Co., Colne Valley Co., and by Sudbury Brewery. *Gas* by Harrow Co. at 6*s.* 3*d.*, and by Pinner Co. at 6*s.* 3*d.*
2	Edgware	No *Water* supplied by Co.; pumps. *Gas* by Harrow Co. at 6*s.* 8*d.*
3	Willesden	*Water* supplied by West Middlesex Co. *Gas* by Gas Light Co. at 3*s.* 9*d.*
4	Hendon *WH*	*Water* supplied by West Middlesex Co. *Gas* by North Middlesex Co. at 5*s.*
127 : 1	South Mimms	*Water* supplied by Barnet Co. *Gas* by Barnet Co. at 4*s.* 9*d.*
2	Barnet *W*	*Water* supplied by East Barnet Co. *Gas* by East Barnet Co. to Barnet and Hadley at 4*s.* 9*d.*, to East Barnet and Totteridge at 6*s.*
3	Finchley *L*	*Water* supplied by New River Co. and Barnet Co. *Gas* by North Middlesex Co. at 5*s.*, Barnet Co. at 5*s.*, and Southgate and Colney Hatch Co. at 5*s.*
128 : 1	Hornsey *H*	*Water* supplied by New River Co. *Gas* to Hornsey, Crouch End, and Muswell Hill by Hornsey Co. at 5*s.*, to Highgate and South Hornsey by Imperial Co. at 3*s.* 9*d.*
2	Tottenham *H*	*Water* supplied by New River Co. and Tottenham Local Board. *Gas* by Tottenham and Edmonton Co. at 4*s.* 6*d.*
3	Edmonton *WW*	*Water* from wells and New River Co. *Gas* by Tottenham and Edmonton Co. at 4*s.* 6*d.*, by Southgate and Colney Hatch Co. at 5*s.*
4	Enfield *WH*	*Water* supplied by Enfield Local Board and New River Co. *Gas* to Enfield district by Enfield Co. at 5*s.* 6*d.*, to Ponder's End district by Ponder's End and Enfield Highway Co. at 6*s.*
5	Waltham Abbey	*Water* not supplied by Co.: obtained from springs and fountains. *Gas* by the Waltham and Cheshunt Co. to Waltham Abbey at 5*s.* 6*d.*
6	Cheshunt	*Water* not supplied by any Co. but from wells on premises. *Gas* by Waltham and Cheshunt Co. at 5*s.* 6*d.*
134 : 1	Hatfield (*part of*)	No *Water* supplied by Co.
136 : 1	Bushey	*Water* at present supplied from wells; but the Colne Valley Water Works are nearly completed and will, by or about the month of June 1876, supply this and the immediate neighbourhood with water. *Gas* to Bushey by Watford Co. at 5*s.*; to Bushey Heath by the Stanmore Co. at 6*s.* 4*d.*
185 : 1	Stratford	*Water* supplied by East London Co. *Gas* by West Ham Co. at 4*s.*
2	West Ham *WWWW*	*Water* supplied by East London Co. *Gas* by West Ham Co. at 4*s.*
3	Leyton *WW*	*Water* supplied by East London Co. *Gas* by West Ham Co. at 4*s.*
4	Walthamstow *H*	*Water* supplied by East London Co. *Gas* to houses at 6*s.* by the Lea Bridge Co. The roads are lighted by the Silber Light.
186 : 1	Chigwell (*part of*) *H*	*Water* supplied by East London Co. and partly from wells or ponds. *Gas* to Chigwell and Loughton by Woodford Bridge and Chigwell Co. at 6*s.*
188 : 1	Romford (*part of*)	*Water* supplied by South Essex Co. to part of town; the rest from wells and ponds.
2	Ilford	*Water* supplied by South Essex Co. *Gas* by Ilford Gas Co. at 5*s.* 5*d.*
3	Barking Town	*Water* supplied by South Essex Co. *Gas* by Barking Co. at 5*s.* 6*d.*

REPORT on the ANALYSIS of the WATERS supplied by the METROPOLITAN WATER COMPANIES during the several MONTHS of the YEAR 1875. By Professor FRANKLAND, D.C.L., F.R.S., &c.

Royal College of Chemistry,
11th February 1876.

SIR,

I HAVE to submit to you the accompanying tabular statement of the results of the chemical examination of the London water supply, as furnished by the eight Metropolitan Companies, throughout the year 1875. In addition, the temperature shown by each sample at the time of collection, and the condition of the water as regards its clearness or turbidity, have been noted, and in all cases of turbidity a microscopic examination of the sediment deposited by the water on standing has been made.

Table A. gives the temperature of the water as it flowed from the main at the moment of collection. Classing the waters in three groups according to their sources I found the following variations of temperature :—

The Thames water, as supplied by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies, varied in temperature from 1°·5 C. (34°·7 Fahr.) in December, to 19°·2 C. (66°·5 Fahr.) in August.

The Lea water, delivered by the New River and East London Companies, ranged from 1° C. (33°·8 Fahr.) in December, to 19° C. (66°·2 Fahr.) in August.

The deep well water of the Kent Company showed a minimum temperature of 10°·5 C. (50°·9 Fahr.) in December, and a maximum of 13°·3 C. (55°·9 Fahr.) in May.

Thus it will be seen that the temperature of the river waters varied according to the season, ranging through no less than 17°·7 C. (31°·8 Fahr.) ; consequently they were unpleasantly warm in summer, and bordering on the freezing point in winter. The deep well water was, on the contrary, almost constant in temperature, being unaffected by the season, the extreme range being only 2°·8 C. (5° Fahr.), and the greatest departure from the average temperature being 1°·6 C. (2°·9 Fahr.)

Table B. shows the amount of solid impurity found in 100,000 parts by weight of water. This impurity is composed of a great variety of substances, some of which are organic and very objectionable, and at times eminently noxious, whilst others are either entirely or comparatively harmless. The progressive increase in quantity of these impurities which occurred during the years 1871–2–3 received a check in 1874; but during the past year the increase has again been very marked in the river waters, whilst in the deep well water of the Kent Company the average solid impurity in 1875 was exactly the same as in the previous year. In the Thames water the maximum was observed in December, and the minimum in July ; in the Lea water the maximum was also in December, and the minimum in May; and in the deep well water the maximum was in November, and the minimum in May.

Tables C. and D. present the proportion of actually existing organic impurity present in the waters, as represented by its two most important constituents, carbon and nitrogen. The value of these indications is manifest, as the pollution of the Thames and Lea is very largely of animal origin.

The water both of the Thames and Lea has again suffered marked deterioration during the past year, whilst that from deep wells in the chalk has slightly improved. Notwithstanding the application of partial remedies for sewage pollution at Banbury, Eton, and Windsor, and the greater care exercised by most of the companies in the storage and filtration of the water, the organic pollution contained in the Thames water delivered in London, though subject to fluctuations from the greater or less prevalence of floods, does not diminish.

Taking the mean proportion of organic impurity in the Thames water delivered in London in 1868 as 1,000, I find that in subsequent years down to 1875 inclusive the following proportions were present.

Year.	Proportion of organic impurity present in Thames water as delivered in London.
1868	1,000
1869	1,016
1870	795
1871	928
1872	1,243
1873	917
1874	933
1875	1,030

The maximum organic pollution in the water drawn from the Thames occurred in January, February, March, August, and November, when the river was in a very objectionable condition. Of the five Companies drawing from this river the West Middlesex Company delivered the best and the Lambeth Company the worst water.

The most serious pollution of the Lea occurred in the months of January, February, August, November, and December, but the worst water delivered by the New River Company during these months was much superior to that procured from the Thames.

Taking, as before, the mean proportion of organic impurity in the Thames water supplied to London in 1868 as 1,000, I find in that and subsequent years, down to 1875 inclusive, the following proportions in the Lea water delivered by the New River and East London Companies :—

Year.	Proportion of organic impurity present in Lea water as delivered in London.
1868	484
1869	618
1870	550
1871	604
1872	819
1873	693
1874	583
1875	751

The water of the Lea, therefore, appears to be progressively, though irregularly, deteriorating in quality, but it is still much superior to that of the Thames.

Table E. The deep well water distributed by the Kent Company continues to be distinguished from the other supplies by containing a less proportion of organic matter, and, on this account, is therefore again taken as the standard for comparison in the table. Taking the amount of organic elements (organic carbon and organic nitrogen) in it as unity, the maximum, minimum, and average proportions in each of the other seven Metropolitan waters supplied during 1875 were as follows :—

	Maximum.	Minimum.	Average.
Kent	1·0	1·0	1·0
New River	3·7	1·2	2·3
East London	5·7	2·4	3·9
West Middlesex	7·6	2·1	4·1
Grand Junction	7·4	2·0	4·2
Southwark	8·4	2·4	4·4
Chelsea	7·9	2·2	4·4
Lambeth	7·5	2·7	4·5

In this comparison the difference between the quality of the deep well water of the Kent Company on the one hand, and of the river waters supplied by the

remaining companies on the other, was much more marked in 1875 than in 1874, and as the quality of the Kent Company's water remained very nearly constant during the two years it follows that the river water has deteriorated.

The water of the Thames and Lea is, at its source, as free from pollution as the chalk well water, but in its downward course the river water becomes largely contaminated by sewage and the washings of cultivated land, and especially so during the winter.

Tables F. and G. need no comment.

Table H. shows the total weight of combined nitrogen, which, after deducting a small correction for that present in average rain water, constitutes the total evidence both of past and present pollution by nitrogenous organic matter. But during the spring and summer months the combined nitrogen is largely diminished by the abundant animal and vegetable life then existing in the rivers, and consequently, as far as it is to serve for an indication of pollution, the combined nitrogen found during the autumn and winter months only must receive consideration. During the months of January, February, March, October, November, and December 1874, the average proportion of total combined nitrogen in 100,000 parts of Thames water was ·219 part; in the same period of 1875 it was ·337 part. In the same quantity of water derived from the river Lea it was ·185 part in 1874, and ·314 part in 1875.

The deep chalk well water supplied by the Kent Company is unaffected by animal or vegetable life, and the average may therefore be taken on the whole year. In 1874 it was ·383 part, and ·437 part in 1875.

It is thus evident that the proportion of total combined nitrogen has undergone considerable increase in the water of all the Metropolitan Companies.

Table I. gives the *past* as distinguished from the *present* or existing contamination of the water by sewage and animal substances, showing, in terms of average London sewage, the proportion of previous animal contamination as estimated from Tables F. and G. This evidence is defective during the spring and summer months, for the reasons which have already been alluded to as affecting the results given in Table H. Such action of animal and vegetable organisms may even obliterate altogether the evidence of previous sewage pollution; and it has actually done so during the past year, on two occasions, in the case of the East London Company's water. It is well known that this water is originally contaminated by animal organic matter, but it is stored for a period of from two to three weeks before being filtered, and during its sojourn in the reservoirs the evidence of previous contamination becomes effaced. This evidence is of importance in the Thames and Lea water, owing to the likelihood of morbific matter derived from animal excreta being carried down the stream without undergoing decomposition. But it need not be regarded in the deep chalk well water, as the slow and therefore perfect filtration which the latter undergoes in passing through so great a thickness of chalk is an ample protection.

Table K. exhibits the quantity of chlorine found in the various samples. The numbers obtained prove that the tidal waters of the Thames and Lea had in no case during 1875 obtained entrance to the reservoirs or filters of the water companies.

Table L. shows the hardness of the samples analysed; or the weight of carbonate of lime, or its equivalent of other soap-destroying substances, found in 100,000 parts of water. The average hardness of the Thames water was 19°·7 or parts in 1874, and 20°·0 or parts in 1875; of the Lea, 19°·7 or parts in 1874, and 20°·4 or parts in 1875; and of the Kent Company's water, 28°·1 or parts in 1874, and 25°·9 or parts in 1875.

Large quantities of soap or soda are required to soften these waters before they are used for washing, but the softening could be accomplished for a small fraction of the expense by substituting lime for soap or soda, as practised on similar waters at Aylesbury, Canterbury, Caterham, and Tring.

Dr. Letheby has contended that, for dietetic purposes, soft water is unwholesome, founding his opinion upon a comparison of the annual rate of mortality in large

towns using soft water with that which obtains in others using hard water; but the Rivers Commissioners have shown that the towns thus compared differ widely in other circumstances affecting their sanitary condition. Thus, most of the towns supplied with soft water are those in which extensive manufactures are carried on, employing large numbers of women and children. They are also those in which the very unhealthy midden system of scavenging prevails; whilst it happens that those in which hard water is used have to a considerable extent adopted the superior sanitary arrangement of the water-closet. Thus, of the twelve towns consuming soft and moderately hard water, there is only one (Canterbury) in which the water-closet system prevails; whereas amongst the twenty towns supplied with hard water there are no less than eleven in which the excrements of the people are immediately removed from the town by water.

There is, however, another class of towns or registration districts which is comparatively free from these and other disturbing causes, and amongst the members of which a comparison of this kind may be made with a better prospect of a trustworthy result. These are the watering-places or sanitariums of the country. Here the interests of the local authorities are so entirely identified with the maintenance of a character for salubrity as to cause a much more stringent and effective application of remedies for sanitary defects than that which obtains elsewhere.

In the following tables, towns and districts which consume soft water are contrasted with others of the same class to which moderately hard and hard water respectively are supplied.

Comparative Mortality in the Districts containing some of the principal English Watering-places.

Table I.—Mortality in Districts supplied with Soft Water.

———	Population 1871.	Mortality per 1000 per Annum for the years 1861–70.
Buxton, including Ashborne, Bakewell, Chapel-en-le-Frith, and Matlock	65,961	20·6
Kendal, including Windermere, Ambleside, and Bowness	39,941	18·5
Malvern, including Upton-on-Severn	23,373	19·6
Newton Abbot, including Dawlish, Torquay, and East and West Teignmouth	68,210	19·6
Tunbridge Wells, including Tunbridge	44,664	18·4
Average	48,430	19·5

Table II.—Mortality in Districts supplied with Moderately Hard Water.

———	Population 1871.	Mortality per 1000 per Annum for the years 1861–70.
Aberystwith	27,441	19·6
Barnstaple, including Ilfracombe	37,358	18·3
Hastings	35,640	19·7
Average	33,480	19·2

TABLE III.—MORTALITY in DISTRICTS supplied with HARD WATER.

	Population 1871.	Mortality per 1000 per Annum for the years 1861–70.
Bath	69,585	22·1
Brighton	90,013	22·0
Cheltenham	53,159	19·3
Clifton, including part of Bristol	128,034	21·5
Dover	35,020	20·0
Eastbourne	15,703	17·6
Isle of Wight	66,165	17·2
Leamington, including Warwick	48,845	20·6
Ramsgate, including Margate	42,134	20·5
Scarborough	36,556	22·3
Weymouth, including Melcombe Regis	31,261	17·2
Worthing, including Arundel and Littlehampton	21,563	18·2
Average	53,170	20·4

In an aggregate population of 242,149, living in five towns and districts, and drinking soft water, the annual rate of mortality averaged 19·5 per 1000; and amongst an aggregate population of 100,439, living in three towns aud districts, and consuming moderately hard water, the annual death-rate was 19·2 per 1000; whilst in an aggregate population of 638,038, living in twelve towns and districts supplied with hard water, the average mortality was at the rate of 20·4 per 1000 per annum.

Thus, where the chief sanitary conditions prevail with tolerable uniformity, the rate of mortality is practically uninfluenced by the softness or hardness of the water supplied to the different towns, and the average rate of mortality in the different water divisions varies far less than the actual mortality in the different towns of the same division.

It appears, therefore, that soft and hard (but not excessively hard) waters, if equally free from deleterious organic substances, are equally wholesome.

Lastly, Table M. shows the annual average of each determination, thus summarizing the average results of analysis of the water supply from each Company during the year.

The following table exhibits the degree of efficiency of filtration of Thames and Lea water as carried on by the various Companies in 1875 :—

NAMES OF COMPANIES.	Number of Occasions when clear and transparent.	Number of Occasions when slightly turbid.	Number of Occasions when turbid.	Number of Occasions when very turbid.
THAMES.				
Chelsea	8	4	1	0
West Middlesex	13	0	0	0
Southwark	6	7	0	0
Grand Junction	3	6	4	0
Lambeth	7	6	0	0
OTHER SOURCES.				
New River	13	0	0	0
East London	13	0	0	0
Kent	13	0	0	0

The natural filtration which the Kent Company's deep well water undergoes through an enormous thickness of chalk is the cause of its uniform clearness and transparency, which renders it independent of artificial filtration.

This table shows that the West Middlesex, New River, and East London Companies only, out of the seven which supply river water to London, efficiently filtered the water before delivery. The subsidence and filtration plant of the remaining four Companies is altogether inadequate to the work required of it.

When examined by the microscope, the sediment deposited by turbid water on standing is almost always found to contain numbers of living and moving organisms. During the year 1875 such organisms have been observed in the Chelsea Company's water four times, in the Southwark and Lambeth Company's water five times each, and in the water of the Grand Junction Company as many as seven times. The annexed table exhibits the results of such microscopic examinations during the past seven years :—

	Number of Occasions when Living Organisms were found.						
	1869.	1870.	1871.	1872.	1873.	1874.	1875.
Chelsea	3	2	2	3	2	5	4
West Middlesex	0	0	0	0	0	0	0
Southwark	8	1	4	1	2	5	5
Grand Junction	4	1	1	2	3	5	7
Lambeth	5	0	4	6	3	4	5
New River	0	0	0	0	1	1	0
East London	4	3	3	1	0	2	0
Kent	0	0	0	0	0	0	0

I have, &c.

E. Frankland.

Table A.

Temperature (in Centigrade degrees) of the Metropolitan Waters, as delivered from the different Companies' Mains.

Names of Companies.	1875.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	4·7	4·0	6·7	9·0	14·5	18·0	17·5	17·0	16·5	10·5	7·2	2·0	10·6
West Middlesex -	4·0	4·7	6·0	11·0	11·0	17·0	18·5	18·5	17·7	11·0	8·0	1·5	10·7
Southwark - -	5·0	4·7	6·7	10·7	15·7	19·0	18·0	19·2	17·2	10·7	7·7	1·5	11·3
Grand Junction -	6·0	4·7	5·7	8·7	13·5	15·7	15·5	16·5	15·0	10·2	7·5	3·0	10·2
Lambeth - -	4·7	4·7	6·0	9·7	15·0	18·5	17·0	17·2	16·7	11·0	7·5	1·5	10·8
Other Sources.													
New River - -	4·0	5·0	6·7	9·0	15·0	17·2	17·5	18·5	17·5	11·0	7·5	1·0	10·8
East London -	3·7	3·7	6·0	9·0	15·5	16·5	17·5	19·0	17·5	9·7	6·7	1·0	10·5
Kent - - -	12·0	11·0	12·7	13·0	13·3	11·7	12·2	13·0	12·5	11·2	11·7	10·5	12·1

Table B.

Weight of Solid Impurity in 100,000 parts of the Waters.

Names of Companies.	1875.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	26·46	29·80	29·74	27·70	25·30	25·34	25·40	29·00	27·20	30·40	25·20	31·96	27·79
West Middlesex -	30·26	31·50	29·64	28·90	25·80	25·14	25·06	28·60	26·40	28·30	26·88	31·12	28·13
Southwark - -	28·94	31·06	29·80	28·00	25·70	25·74	25·10	28·00	25·86	30·74	27·24	31·94	28·18
Grand Junction -	29·08	32·00	29·90	28·60	25·78	25·60	25·80	29·26	27·10	27·80	26·48	32·46	28·32
Lambeth - -	29·80	32·00	31·20	28·56	27·10	27·16	26·56	28·30	28·34	32·10	29·16	32·10	29·36
Other Sources.													
New River - -	31·10	31·46	28·60	24·90	23·66	24·48	25·60	25·76	25·26	29·34	30·26	32·88	27·77
East London -	35·50	36·60	33·60	27·44	24·60	24·60	25·00	29·36	24·80	27·66	30·70	36·00	29·65
Kent - - -	41·20	39·60	40·94	41·50	38·40	39·40	40·80	39·60	40·56	40·34	41·78	40·24	40·36

Table C.

Organic Carbon in 100,000 parts of the Waters.

Names of Companies.	1875.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	·305	·273	·296	·129	·157	·121	·120	·264	·156	·200	·441	·136	·216
West Middlesex -	·155	·262	·302	·143	·135	·122	·105	·340	·125	·146	·387	·168	·199
Southwark - -	·233	·235	·315	·143	·165	·166	·116	·305	·131	·154	·418	·188	·214
Grand Junction -	·246	·281	·239	·143	·147	·137	·130	·263	·136	·132	·414	·139	·201
Lambeth - -	·300	·258	·246	·125	·170	·148	·141	·314	·136	·255	·349	·194	·220
Other Sources.													
New River - -	·108	·183	·119	·075	·088	·068	·064	·127	·049	·088	·196	·178	·112
East London -	·225	·270	·191	·126	·148	·152	·118	·261	·132	·201	·248	·221	·191
Kent - - -	·037	·046	·035	·032	·066	·054	·055	·053	·037	·058	·047	·057	·048

Table D.

Organic Nitrogen in 100,000 parts of the Waters.

Names of Companies.	1875.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - - -	·041	·048	·051	·012	·029	·018	·016	·040	·033	·032	·095	·055	·039
West Middlesex -	·030	·066	·033	·011	·024	·028	·023	·042	·021	·037	·098	·035	·037
Southwark - -	·037	·042	·053	·016	·041	·024	·025	·040	·021	·032	·081	·027	·037
Grand Junction -	·032	·053	·051	·015	·034	·019	·030	·036	·026	·021	·095	·041	·038
Lambeth - -	·043	·035	·047	·027	·036	·029	·026	·045	·030	·056	·084	·066	·044
Other Sources.													
New River - -	·015	·029	·019	·013	·014	·011	·019	·021	·016	·027	·054	·035	·023
East London -	·038	·042	·034	·016	·030	·027	·021	·040	·023	·046	·069	·063	·037
Kent - - -	·009	·011	·009	·007	·009	·008	·004	·009	·016	·017	·022	·021	·012

Table E.

Proportional Amount of Organic Elements, that in the Kent Company's Water being taken as 1.

Names of Companies.	1875.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	7·5	5·6	7·9	3·6	2·5	2·2	2·3	4·9	3·6	3·1	7·8	2·4	4·4
West Middlesex -	4·0	5·7	7·6	3·9	2·1	2·4	2·2	6·1	2·8	2·4	7·0	2·6	4·1
Southwark - -	5·9	4·9	8·4	4·1	2·7	3·1	2·4	5·6	2·9	2·5	7·2	2·8	4·4
Grand Junction -	6·0	5·9	6·6	4·1	2·4	2·5	2·7	4·8	3·1	2·0	7·4	2·3	4·2
Lambeth - -	7·5	5·1	6·7	3·9	2·7	2·9	2·8	5·8	3·1	4·1	6·3	3·3	4·5
Other Sources.													
New River - -	2·7	3·7	3·1	2·3	1·4	1·3	1·4	2·4	1·2	1·5	3·6	2·7	2·3
East London -	5·7	5·5	5·1	3·6	2·4	2·9	2·4	4·9	2·9	3·3	4·6	3·6	3·9
Kent - - -	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0

Table F.

Ammonia in 100,000 parts of the Waters.

Names of Companies.	1875.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	·001	·002	·000	·001	·001	·000	·000	·002	·000	·001	·001	·002	·001
West Middlesex -	·001	·002	·001	·000	·000	·000	·000	·001	·000	·000	·001	·002	·001
Southwark - -	·002	·001	·000	·000	·001	·000	·000	·000	·000	·000	·001	·002	·001
Grand Junction -	·002	·001	·000	·000	·001	·000	·000	·000	·000	·000	·001	·002	·001
Lambeth - -	·001	·001	·001	·001	·002	·000	·000	·000	·000	·001	·001	·002	·001
Other Sources.													
New River - -	·001	·001	·000	·000	·001	·000	·000	·000	·000	·000	·001	·002	·001
East London -	·005	·000	·000	·000	·000	·000	·000	·000	·000	·000	·002	·002	·001
Kent - - -	·001	·001	·000	·000	·000	·000	·000	·000	·000	·000	·001	·001	·000

Table G.

Nitrogen as Nitrates and Nitrites in 100,000 parts of the Waters.

Names of Companies.	1875.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	·334	·347	·293	·275	·161	·141	·119	·117	·169	·213	·156	·341	·222
West Middlesex -	·340	·353	·314	·303	·202	·128	·091	·081	·155	·187	·168	·351	·223
Southwark - -	·339	·328	·286	·276	·185	·120	·093	·105	·158	·202	·173	·328	·216
Grand Junction -	·327	·348	·305	·299	·190	·131	·126	·102	·147	·174	—	·340	·226
Lambeth - -	·365	·388	·331	·303	·246	·156	·165	·095	·165	·213	·221	·335	·249
Other Sources.													
New River - -	·334	·331	·305	·230	·166	·152	·143	·149	·153	·200	·280	·326	·231
East London -	·339	·362	·275	·177	·103	·069	·053	·031	·028	·154	·118	·262	·164
Kent - - -	·514	·429	·540	·562	·373	·378	·406	·362	·395	·325	·423	·390	·425

Table H.

Total combined Nitrogen in 100,000 parts of the Waters.

Names of Companies.	1875.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	·376	·397	·344	·288	·191	·159	·135	·159	·202	·246	·252	·398	·262
West Middlesex -	·371	·421	·348	·314	·226	·156	·114	·124	·176	·224	·267	·388	·261
Southwark - -	·378	·371	·339	·292	·227	·144	·118	·145	·179	·234	·255	·357	·253
Grand Junction -	·361	·402	·356	·314	·225	·150	·156	·138	·173	·195	—	·383	·259
Lambeth - -	·409	·424	·379	·331	·284	·185	·191	·140	·195	·270	·306	·403	·293
Other Sources.													
New River - -	·350	·361	·324	·243	·181	·163	·162	·170	·169	·227	·335	·363	·254
East London -	·381	·404	·309	·193	·133	·096	·074	·071	·051	·200	·189	·327	·202
Kent - - -	·524	·441	·549	·569	·382	·386	·410	·371	·411	·342	·446	·412	·437

Table I.

Previous Sewage or Animal Contamination in 100,000 parts of the Waters.

Names of Companies.	1875.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	3030	3170	2610	2440	1300	1090	870	870	1370	1820	1250	3110	1911
West Middlesex -	3090	3230	2830	2710	1700	960	590	500	1230	1550	1370	3210	1914
Southwark - -	3090	2970	2540	2440	1540	880	610	730	1260	1700	1420	2980	1847
Grand Junction -	2970	3170	2730	2670	1590	990	940	700	1150	1420	—	3100	1948
Lambeth - -	3340	3570	3000	2720	2160	1240	1330	630	1330	1820	1900	3050	2182
Other Sources.													
New River - -	3030	3000	2730	1980	1350	1200	1110	1170	1210	1680	2490	2960	1992
East London -	3110	3300	2430	1450	710	370	210	0	0	1220	880	2320	1333
Kent - - -	4830	3980	5080	5300	3410	3460	3740	3300	3630	2930	3920	3590	3931

Table K.

Chlorine in 100,000 parts of the Waters.

Names of Companies.	1875.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	1·75	1·60	1·70	1·47	1·60	1·53	1·52	1·35	1·63	1·73	1·28	1·52	1·56
West Middlesex -	1·73	1·60	1·67	1·45	1·60	1·43	1·50	1·40	1·45	1·65	1·40	1·55	1·54
Southwark - -	1·70	1·80	1·65	1·40	1·60	1·35	1·47	1·40	1·40	1·70	1·42	1·53	1·53
Grand Junction -	1·63	1·75	1·70	1·47	1·55	1·50	1·50	1·40	1·45	1·63	1·37	1·55	1·54
Lambeth - -	1·70	1·80	1·85	1·53	1·55	1·50	1·50	1·50	1·57	1·75	1·62	1·60	1·62
Other Sources.													
New River - -	1·55	1·70	1·57	1·30	1·50	1·35	1·40	1·50	1·50	1·55	1·52	1·60	1·50
East London -	2·00	2·00	1·97	1·75	1·80	1·70	1·75	1·85	1·80	1·88	1·83	1·87	1·85
Kent - - -	2·10	2·20	2·20	2·20	2·10	1·95	2·15	2·20	2·30	2·28	2·40	2·40	2·21

Table L.

Degrees of Hardness (1 deg. = 1 part of carbonate of lime, or its equivalent,) in 100,000 parts of the Waters.

Names of Companies.	1875.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	17·4	20·6	19·4	21·8	18·6	19·4	18·6	20·3	19·7	21·8	16·9	22·4	19·7
West Middlesex -	20·3	20·9	18·9	19·7	18·9	18·6	17·7	19·1	19·3	20·6	18·7	23·9	19·7
Southwark - -	20·0	20·3	19·4	20·6	21·8	19·1	17·7	19·1	18·9	23·3	18·9	22·7	20·1
Grand Junction -	19·1	20·9	19·7	20·6	19·1	19·1	17·4	20·0	19·6	20·1	18·9	23·0	19·8
Lambeth - -	20·6	22·4	21·8	21·8	20·0	20·3	19·1	19·7	20·6	22·4	19·4	22·1	20·8
Other Sources.													
New River - -	23·6	21·8	20·0	19·1	18·3	19·4	19·4	19·1	18·9	20·6	22·2	24·2	20·5
East London -	24·5	24·2	21·5	20·0	17·7	17·1	16·9	19·1	16·3	20·6	20·9	24·2	20·2
Kent - - -	26·6	26·0	27·2	26·9	24·5	26·6	25·7	23·9	26·6	24·2	26·6	26·6	25·9

Table M.

Averages for 1875.

The numbers in this Table relate to 100,000 parts of each Water.

Names of Companies.	Temperature in Centigrade Degrees.	Total Solid Impurity.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Previous Sewage or Animal Contamination. (Estimated.)	Chlorine.	Total Hardness.	Proportional Amount of organic Elements, that in the Kent Company's Water being taken as 1.
Thames.	°										
Chelsea - - - -	10·6	27·79	·216	·039	·001	·222	·262	1911	1·56	19·7	4·4
West Middlesex - -	10·7	28·13	·199	·037	·001	·223	·261	1914	1·54	19·7	4·1
Southwark - - -	11·3	28·18	·214	·037	·001	·216	·253	1847	1·53	20·1	4·4
Grand Junction - -	10·2	28·32	·201	·038	·001	·226	·259	1948	1·54	19·8	4·2
Lambeth - - -	10·8	29·36	·220	·044	·001	·249	·293	2182	1·62	20·8	4·5
Other Sources.											
New River - - -	10·8	27·77	·112	·023	·001	·231	·254	1992	1·50	20·5	2·3
East London - - -	10·5	29·65	·191	·037	·001	·164	·202	1333	1·85	20·2	3·9
Kent - - - -	12·1	40·36	·048	·012	·000	·425	·437	3931	2·21	25·9	1·0

Fires in London during the Year 1875.

Captain Shaw, the Chief Officer of the Metropolitan Fire Brigade, reported to the Metropolitan Board of Works that the number of fires attended by the brigade during 1875 was 1529, a decline of 44 from the number in 1874; the average number in the ten years 1866–75 was 1591. Eleven per cent. of the fires attended in 1875 were described as serious; the proportion in 1873 and 1874 was 11 and 10 respectively. At 41 of the fires in 1875 life was seriously endangered, and in 26 cases life was lost; the lives of 109 persons were seriously endangered, of whom 80 were saved, and 29 lost; the lives lost in the three preceding years 1872–3–4 were 22, 35, and 23 respectively.

The establishment of the Fire Brigade at the end of the year was distributed at 48 engine, 106 escape, and 4 floating stations. The number of fire engines at these stations was 114, the same as in the previous year; 3 were floating steam engines, 26 land steam engines, and 85 manual engines. The number of fire escapes was 132, a further increase of 3 upon the numbers in recent years. The strength of the brigade was 395, of all ranks, the same as in the previous year, including the chief officer and the superintendents. The number of firemen employed on the several watches kept up throughout the Metropolis was 94 by day and 181 by night. During the year 64 cases of injury occurred among the men, showing a considerable decline from the numbers in the two previous years, 98 and 93 respectively.

The quantity of water used for extinguishing fires in the Metropolis during 1875 was rather more than ten and a half millions of gallons, or about 47,000 tons. About one third of this quantity was taken from the river, canals, and docks, and the remainder from the street pipes. During the year there were 4 cases in which there was a short supply, 19 of late attendance of turncocks, and 9 of no attendance, making 32 cases in which the water arrangements were unsatisfactory, against 47 in the previous year.

Number of **Fires** and of **False Alarms** attended during the six Years 1870–75, and in each Month of 1875.

Years and Months.	Total Calls.	Fires.			Alarms.		
		Serious.	Slight.	Total.	False.	Chimney.	Total.
1870	2188	276	1670	1946	133	109	242
1871	2046	207	1635	1842	124	80	204
1872	1671	120	1374	1494	104	73	177
1873	1703	166	1382	1548	83	72	155
1874	1750	154	1419	1573	89	88	177
1875	1668	163	1366	1529	90	49	139
1875. January	123	11	95	106	10	7	17
February	136	13	111	124	5	7	12
March	141	11	122	133	5	3	8
April	135	10	112	122	11	2	13
May	180	20	149	169	7	4	11
June	131	22	103	125	2	4	6
July	121	13	101	114	7	-	7
August	155	12	130	142	11	2	13
September	131	18	100	118	10	3	13
October	107	13	83	96	7	4	11
November	145	11	121	132	8	5	13
December	163	9	139	148	7	8	15

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